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Textile Fiber End Use Survey

Highlights

Annual U.S. End Use Summary . . . featured page 140.

Summary of Man-Made Fiber & Semimanufactured Imports 1976-1982 . . . see page 149.

Second Quarter 1983 Domestic Shipments of Nylon Yarn to the Carpet Trades Top 196 Million Pounds . . . see page 154.

September Shipments of Polyester Staple+Tow Rise to 208.3 Million Pounds . . . see page 158.

Presented in this issue of the *Textile Organon* is the 1983 survey of textile fiber consumption by end use. Annual data are shown for the years 1976 through 1982.

The data of this survey for 1976 and forward supersede those of similar earlier surveys. As more reliable data become available, they are incorporated into the survey to provide the most current industry data obtainable.

Compared with last year's survey, there are relatively few revisions. However, it should be noted that there has been some revision of the Top- & Bottomweight Fabric and Bedspread & Quilts (Item 45) end uses. In addition, some of the cellulosic yarn data have been revised for the years 1980-1981 in many of the end uses, such as Curtains (Item 51) and Drapery & Upholstery (Item 52) of the Home Furnishings sector and Narrow Fabrics (Item 56c) of the Industrial sector.

In some cases, these revisions involved changes in the series of data from 1976 through 1981. Revisions such as these are indicated by a black circle (•). In addition, significant single year revisions are denoted by a small "r".

When the changes described above are kept in mind, the data in this survey may be used in conjunction with earlier issues of the *Textile Organon* as follows:

YEARS	*Textile Organon* ISSUES
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982

In this manner, a continuous statistical series covering the 34-year span from 1949 through 1982 may be obtained.

END USE SUMMARY CHANGES

	TOTAL FIBER								MAN-MADE FIBER							
	MILLION POUNDS				*% OF TOTAL END USE*[a]				MILLION POUNDS				*% OF TOTAL END USE*[a]			
END USE	76-79	1980	1981	1982	*76-79*	*1980*	*1981*	*1982*	76-79	1980	1981	1982	*76-79*	*1980*	*1981*	*1982*
APPAREL	4954	4728	4478	3964	*39.5*	*39.0*	*38.0*	*38.0*	3108	2951	2744	2386	*34.5*	*33.5*	*31.5*	*31.2*
HOME FURNISHINGS	3864	3656	3519	3147	*30.8*	*30.2*	*29.8*	*30.2*	2948	2828	2722	2425	*32.7*	*32.1*	*31.3*	*31.8*
INDUSTRIAL & OTHER CONSUMER TYPE PRODUCTS	3234	3109	3312	2984	*25.8*	*25.7*	*28.1*	*28.6*	2719	2686	2915	2611	*30.2*	*30.4*	*33.5*	*34.2*
EXPORTS	491	618	490	336	*3.9*	*5.1*	*4.1*	*3.2*	233	352	319	215	*2.6*	*4.0*	*3.7*	*2.8*
TOTAL END USE	**12543**	**12111**	**11799**	**10431**	***100***	***100***	***100***	***100***	**9008**	**8817**	**8700**	**7637**	***100***	***100***	***100***	***100***

76-79 means the annual average for the years 1976-1979. The 1980, 1981 & 1982 data are for single years only. All data are drawn from the End Use Consumption Summary table on page 142.

a. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

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Textile Organon

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SURVEY FIBER COVERAGE

The objective of this survey is to measure the amount of raw fiber required to produce a particular end use item. The quantities of fiber are grouped under general listings, but specific characteristics of each listing should be noted.

The man-made fiber data are presented in two general categories, Cellulosic, which includes rayon and acetate, and Noncellulosic, which includes nylon, polyester, acrylic, olefin, saran, spandex and textile glass. Except for carpets, no separation of the data by generic type within the end uses is provided. See footnote (b) under General Notes on page 150 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters poundages are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation.

Wool data cover both virgin and reprocessed & reused wool.

Many other fibers, such as silk, linen, jute and sisal, are used in various products covered by the survey, but no poundage data for these fibers are included in the end use tables on pages 142-148. For the purposes of comparison, however, the total imports of these fibers are presented in the lowest table on page 141. Additional reference to these fibers is made in the General Notes on page 150.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing, are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the poundages shown have been calculated so as to exclude the waste component inasmuch as possible, as, for example, is the case with the cotton waste in Towels & Toweling (Item 48) and Twine (Item 73).

And third, waste which has been processed into usable spinnable fiber is included in the poundages shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that in products such as these, fiber derived from waste by preliminary processing, especially for the man-made fiber poundages, is a significant and measured part of the total end use.

OUTLINE AND COVERAGE OF THE SURVEY

The tabulations presented on pages 142-148 show the poundages of the itemized textile fibers consumed in the production of end use products in the United States.

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs, are not included in this survey as they are not manufactured in domestic mills.

The method used for estimating the end uses of man-made fibers differs from that used for the natural fibers For man-made fibers, the data are based on producers domestic shipments plus imports of fiber, yarn and semimanufactured products. While in the case of cotton, the data of the National Cotton Council were used extensively, and for wool, government data plus estimates from other trade sources were employed.

END USE VERSUS AVAILABLE SUPPLY

Available supply, which is mill consumption plus semimanufactured imports, is compared with end use consumption in the center table on page 141. While more specific reasons which affect the correlation between these series are described in subsequent sections, some general remarks are presented below.

Cotton. End Use consumption is lower than Available supply for most years; the same situation pertains to the National Cotton Council's survey data. Two reasons for this are stated by the Council: a) many small end uses are not included in the survey and b) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in the calendar year 1981 was not actually incorporated into end products until 1982 because of time lags and inventory fluctuations involved in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in 1982 was not embodied in finished products until 1983.

As noted, the cotton series presented in this survey are mainly those of the National Cotton Council as published in its annual survey "Cotton Counts Its Customers" (1983 and earlier editions).

Wool. Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Retail Piece Goods and Craft Yarns.

These poundages were deducted from the Available Supply in the page 143 table and residual poundages were then attributed to Apparel. Usage in individual apparel items from the years 1976-1982 was calculated by correlating the data of Census reports MA-23A and MQ-22T on, respectively, Apparel and Broad Woven Goods.

Man-Made Fibers. As will be seen, there is relatively good correlation between End Use Consumption and Available Supply.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufacturers' inventories rather than directly into end uses. Both warehouse inventories of yarn and staple and goods-in-process inventories would be involved. For example, it is likely that some of the large increase in the Available Supply between 1976 and 1977 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1973-1974 and 1974-1975, for instance) the movement is reversed. In a period of slower activity, mills and manufacturers reduce their warehouse inventories and work-in-process to reflect the lower level of activity.

UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the poundage of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the poundages of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber.

Two reasons for this disparity are:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and wool 0.6 square yards per pound. But for man-made fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies greatly. Hence, a simple comparison of poundages of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

U.S. END USE SUMMARY

MILLION POUNDS & *Percent*

END USE & YEAR	GRAND TOTAL			COTTON			WOOL			MAN-MADE FIBERS			MAN-MADE FIBER DETAIL									
													CELLULOSIC					NONCELL. & TEXTILE GLASS				
													TOTAL			YARN LBS	STAPLE LBS	TOTAL			YARN LBS	STAPLE LBS
	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]			LBS	%[a]	%[b]		
APPAREL																						
1976	4831	*100*	*41.0*	1736	*35.9*	*49.7*	127	*2.6*	*72.6*	2968	*61.5*	*36.5*	288	*6.0*	*33.0*	216	72	2680	*55.5*	*36.9*	1309	1371
1977	5135	*100*	*40.9*	1735	*33.8*	*51.2*	132	*2.6*	*75.0*	3268	*63.6*	*36.4*	304	*5.9*	*34.4*	219	85	2964	*57.7*	*36.6*	1456	1508
1978	5023	*100*	*39.2*	1683	*33.5*	*52.0*	139	*2.8*	*73.9*	3201	*63.7*	*34.2*	307	*6.1*	*34.5*	228	79	2894	*57.6*	*34.1*	1444	1450
1979	4825	*100*	*37.0*	1696	*35.2*	*51.3*	132	*2.7*	*76.3*	2997	*62.1*	*31.4*	341	*7.1*	*40.7*	245	96	2656	*55.0*	*30.5*	1359	1297
1980	4728	*100*	*39.0*	1652	*35.0*	*53.0*	125	*2.6*	*74.0*	2951	*62.4*	*33.5*	298	*6.3*	*39.9*	222	76	2653	*56.1*	*32.9*	1306	1347
1981	4478	*100*	*38.0*	1585	*35.4*	*54.6*	149	*3.3*	*76.4*	2744	*61.3*	*31.5*	309	*6.9*	*42.8*	194	115	2435	*54.4*	*30.5*	1184	1251
1982	3964	*100*	*38.0*	1450	*36.6*	*55.3*	128	*3.2*	*75.3*	2386	*60.2*	*31.2*	211	*5.3*	*39.9*	142	69	2175	*54.9*	*30.6*	982	1193
HOME FURNISHINGS																						
1976	3526	*100*	*29.9*	920	*26.1*	*26.3*	33	*0.9*	*18.8*	2573	*73.0*	*31.7*	216	*6.1*	*24.8*	45	171	2357	*66.9*	*32.5*	921	1436
1977	3842	*100*	*30.6*	905	*23.6*	*26.7*	32	*0.8*	*18.2*	2905	*75.6*	*32.3*	212	*5.5*	*24.0*	54	158	2693	*70.1*	*33.2*	1072	1621
1978	3996	*100*	*31.2*	863	*21.6*	*26.6*	36	*0.9*	*19.2*	3097	*77.5*	*33.0*	238	*6.0*	*26.8*	56	182	2859	*71.5*	*33.7*	1160	1699
1979	4092	*100*	*31.4*	848	*20.7*	*25.6*	27	*0.7*	*15.6*	3217	*78.6*	*33.7*	194	*4.7*	*23.1*	48	146	3023	*73.9*	*34.7*	1244	1779
1980	3656	*100*	*30.2*	802	*22.0*	*25.8*	26	*0.7*	*15.4*	2828	*77.3*	*32.1*	170	*4.6*	*22.7*	47	123	2658	*72.7*	*32.9*	1189	1469
1981	3519	*100*	*29.8*	768	*21.9*	*26.4*	29	*0.8*	*14.9*	2722	*77.3*	*31.3*	156	*4.4*	*21.6*	36	120	2566	*72.9*	*32.2*	1117	1449
1982	3147	*100*	*30.2*	696	*22.1*	*26.5*	26	*0.8*	*15.3*	2425	*77.1*	*31.8*	104	*3.3*	*19.7*	26	78	2321	*73.8*	*32.6*	1013	1308
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1976	2963	*100*	*25.1*	569	*19.2*	*16.3*	8	*0.3*	*4.6*	2386	*80.5*	*29.3*	315	*10.6*	*36.1*	61	254	2071	*69.9*	*28.5*	1600	471
1977	3155	*100*	*25.2*	528	*16.7*	*15.6*	8	*0.3*	*4.5*	2619	*83.0*	*29.2*	316	*10.0*	*35.8*	62	254	2303	*73.0*	*28.4*	1753	550
1978	3334	*100*	*26.1*	472	*14.1*	*14.6*	9	*0.3*	*4.8*	2853	*85.6*	*30.4*	301	*9.0*	*33.9*	66	235	2552	*76.6*	*30.1*	1915	637
1979	3486	*100*	*26.8*	462	*13.3*	*14.0*	8	*0.2*	*4.6*	3016	*86.5*	*31.6*	271	*7.8*	*32.3*	50	221	2745	*78.7*	*31.6*	2020	725
1980	3109	*100*	*25.7*	412	*13.2*	*13.2*	11	*0.3*	*6.5*	2686	*86.5*	*30.4*	249	*8.0*	*33.3*	40	209	2437	*78.5*	*30.2*	1805	632
1981	3312	*100*	*28.1*	385	*11.6*	*13.3*	12	*0.4*	*6.1*	2915	*88.0*	*33.6*	231	*7.0*	*31.9*	42	189	2684	*81.0*	*33.6*	2009	675
1982	2984	*100*	*28.6*	363	*12.2*	*13.8*	10	*0.3*	*5.9*	2611	*87.5*	*34.2*	195	*6.5*	*36.8*	30	165	2416	*81.0*	*34.0*	1778	638
EXPORTS OF DOMESTIC PRODUCTS																						
1976	476	*100*	*4.0*	267	*56.1*	*7.7*	7	*1.5*	*4.0*	202	*42.4*	*2.5*	53	*11.1*	*6.1*	26	27	149	*31.3*	*2.1*	66	83
1977	418	*100*	*3.3*	221	*52.9*	*6.5*	4	*0.9*	*2.3*	193	*46.2*	*2.1*	51	*12.2*	*5.8*	23	28	142	*34.0*	*1.8*	61	81
1978	449	*100*	*3.5*	220	*49.0*	*6.8*	4	*0.9*	*2.1*	225	*50.1*	*2.4*	43	*9.6*	*4.8*	22	21	182	*40.5*	*2.1*	76	106
1979	620	*100*	*4.8*	301	*48.5*	*9.1*	6	*1.0*	*3.5*	313	*50.5*	*3.3*	33	*5.3*	*3.9*	21	12	280	*45.2*	*3.2*	128	152
1980	618	*100*	*5.1*	259	*42.0*	*8.0*	7	*1.0*	*4.1*	352	*57.0*	*4.0*	31	*5.1*	*4.1*	20	11	321	*51.9*	*4.0*	141	180
1981	490	*100*	*4.1*	166	*33.9*	*5.7*	5	*1.0*	*2.6*	319	*65.1*	*3.6*	27	*5.5*	*3.7*	17	10	292	*59.6*	*3.7*	121	171
1982	336	*100*	*3.2*	115	*34.2*	*4.4*	6	*1.8*	*3.5*	215	*64.0*	*2.8*	19	*5.6*	*3.6*	12	7	196	*58.4*	*2.8*	82	114
TOTAL END USE																						
1976	11796	*100*	*100*	3492	*29.6*	*100*	175	*1.5*	*100*	8129	*68.9*	*100*	872	*7.4*	*100*	348	524	7257	*61.5*	*100*	3896	3361
1977	12550	*100*	*100*	3389	*27.0*	*100*	176	*1.4*	*100*	8985	*71.6*	*100*	883	*7.0*	*100*	358	525	8102	*64.6*	*100*	4342	3760
1978	12802	*100*	*100*	3238	*25.3*	*100*	188	*1.5*	*100*	9376	*73.2*	*100*	889	*6.9*	*100*	372	517	8487	*66.3*	*100*	4595	3892
1979	13023	*100*	*100*	3307	*25.4*	*100*	173	*1.3*	*100*	9543	*73.3*	*100*	839	*6.5*	*100*	364	475	8704	*66.8*	*100*	4751	3953
1980	12111	*100*	*100*	3125	*25.8*	*100*	169	*1.4*	*100*	8817	*72.8*	*100*	748	*6.2*	*100*	329	419	8069	*66.6*	*100*	4441	3628
1981	11799	*100*	*100*	2904	*24.6*	*100*	195	*1.6*	*100*	8700	*73.8*	*100*	723	*6.2*	*100*	289	434	7977	*67.6*	*100*	4431	3546
1982	10431	*100*	*100*	2624	*25.2*	*100*	170	*1.6*	*100*	7637	*73.2*	*100*	529	*5.1*	*100*	210	319	7108	*68.1*	*100*	3855	3253

a. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

b. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

LIMITATIONS OF THE SURVEY RESULTS

The statistical results of an end use survey can be only approximations at best. But when the data are viewed as one fiber relative to another, and not as absolute values, then they may be regarded as measuring the long-term trend results of competition between the fibers.

An additional note, the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small poundages of fibers in such end uses as Apparel Lace (Item 43) and still allow the compilation to add arithmetically.

MILL CONSUMPTION+SEMIMANUFACTURED IMPORTS

MILLION POUNDS

YEAR	MAN-MADE FIBERS								COTTON			WOOL					MILL CONS+ IMPORTS = AVAIL-ABLE
	MILL CONSUMPTION [a]						IM-PORTS [c]	TOTAL									
	CELLULOSIC			NONCELLULOSIC+TEXT. GLASS													
	YARN	STAPLE [b]	TOTAL	YARN	STAPLE [b]	TOTAL			MILL CONS [a]	IM-PORTS [c]	TOTAL	MILL CONS [a]	REPRO-CESSED & REUSED [d]	COTTON SYSTEM [d]	IM-PORTS [c]	TOTAL	
1976	339.6	515.7	855.3	3,888.8	3,308.4	7,197.2	103.4	8,155.9	3,389.0	351.4	3,740.4	145.9	14.8	3.0	18.0	181.7	12,078.0
1977	351.0	517.2	868.2	4,345.2	3,674.1	8,019.3	127.6	9,015.1	3,169.8	258.1	3,427.9	133.9	16.7	4.1	25.3	180.0	12,623.0
1978	363.3	516.4	879.7	4,580.8	3,767.2	8,348.0	169.3	9,397.0	3,040.4	330.7	3,371.1	141.6	16.8	3.0	31.9	193.3	12,961.4
1979	356.7	474.3	831.0	4,740.2	3,874.8	8,615.0	119.1	9,565.1	3,066.4	249.1	3,315.5	134.4	17.0	2.5	25.9	179.8	13,060.4
1980	325.0	415.7	740.7	4,426.0	3,593.4	8,019.4	111.6	8,871.7	3,064.4	277.8	3,342.2	137.8	10.5	3.8	25.3	177.4	12,391.3
1981	283.6	430.7	714.3	4,484.0	3,504.1	7,988.1	141.1	8,843.5	2,703.8	374.4	3,105.2	152.7	8.3	3.2	32.8	197.0	12,145.7
1982	207.4	316.0	523.4	3,793.3	3,213.7	7,007.0	143.9	7,674.3	2,487.9	295.0	2,782.9	129.5	5.7	3.0	33.3	471.5	10,628.7

a. Mill Consumption is taken from page 38 of the March 1983 *Organon* issue plus subsequent revisions.

b. Man-Made staple includes waste.

c. Imports are taken from page 39 of the March issue and comprise semimanufactured goods; see the footnotes there.

d. These poundages of reprocessed and reused wool, as well as wool consumed on the cotton spinning system, are not included in the mill consumption series for wool (see page 36 of the February 1970 ***Organon***). However, they are considered here as part of the available supply of wool as shown in the table below.

END USE VERSUS AVAILABLE SUPPLY - MILLION POUNDS & *Percent*

FIBERS	1976			1977			1978			1979			1980			1981			1982		
	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]	AVAIL-ABLE [a]	END USE [b]	% [c]
COTTON	3740	3492	*93.4*	3428	3389	*98.9*	3371	3238	*96.1*	3316	3307	*99.7*	3342	3125	*93.5*	3105	2904	*93.5*	2783	2623	*94.2*
WOOL	182	175	*96.2*	180	176	*97.8*	193	188	*97.4*	180	173	*96.1*	177	168	*94.9*	197	194	*98.5*	172	170	*98.8*
TOTAL COTTON & WOOL	**3922**	**3667**	*93.5*	**3608**	**3565**	*98.8*	**3564**	**3426**	*96.1*	**3496**	**3480**	*99.5*	**3519**	**3293**	*93.6*	**3302**	**3098**	*93.8*	**2955**	**2793**	*94.5*
CELL · YARN [d]	350	348	*99.4*	360	358	*99.4*	373	372	*99.7*	364	364	*100.0*	329	329	*100.0*	289	289	*100.0*	212	210	*99.1*
· STAPLE [e]	528	524	*99.2*	530	525	*99.1*	532	517	*97.2*	485	475	*97.9*	421	419	*99.5*	437	434	*99.3*	322	319	*99.1*
NONCELL · YARN [d]	3238	3218	*99.4*	3570	3551	*99.5*	3713	3708	*99.9*	3833	3830	*99.9*	3607	3567	*98.9*	3574	3468	*97.6*	2991	2980	*99.6*
· STAPLE [e]	3362	3361	*99.9*	3764	3760	*99.9*	3892	3892	*100.0*	3958	3952	*99.8*	3639	3629	*99.7*	3561	3546	*99.6*	3274	3253	*99.4*
TOTAL MAN-MADE FIBER ABOVE	**7478**	**7451**	*99.6*	**8224**	**8194**	*99.6*	**8510**	**8489**	*99.8*	**8640**	**8621**	*99.8*	**7996**	**7944**	*99.3*	**7861**	**7737**	*98.4*	**6799**	**6762**	*99.5*
TEXTILE GLASS FIBER	678	678	*100.0*	791	791	*100.0*	887	887	*100.0*	922	922	*100.0*	874	874	*100.0*	982	964	*98.2*	876	876	*100.0*
TOTAL FIBERS ABOVE	**12078**	**11796**	*97.7*	**12623**	**12550**	*99.4*	**12961**	**12802**	*98.8*	**13058**	**13023**	*99.7*	**12389**	**12111**	*97.8*	**12145**	**11799**	*97.2*	**10630**	**10431**	*98.1*

a. Available means mill consumption plus the imports of semimanufactured products · from the table above.

b. End Use from the summary table on page 140.

c. End Use as a percentage of Available.

d. Yarn includes monofilaments.

e. Staple includes tow, fiberfill and waste.

IMPORTS FOR CONSUMPTION - MILLION POUNDS

YEAR	SILK				LINEN				JUTE				SISAL & OTHERS				TOTAL IMPORTS (TO THE LEFT)
	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	
1976	2.8	1.4	1.3	**5.5**	0.9	4.8	34.3	**40.0**	46.2	583.3	60.9	**690.4**	102.2	7.6	271.3	**381.1**	**1117.0**
1977	1.6	2.0	1.8	**5.4**	0.4	3.4	35.2	**39.0**	26.7	597.9	29.2	**653.8**	115.9	3.7	253.6	**373.2**	**1071.4**
1978	2.0	3.6	3.5	**9.1**	1.0	5.2	36.2	**42.4**	37.6	588.6	38.2	**664.4**	127.8	8.4	234.0	**370.2**	**1086.1**
1979	1.5	2.8	3.9	**8.2**	0.9	5.1	30.4	**36.4**	48.5	488.8	13.5	**550.8**	117.0	4.7	304.8	**426.5**	**1021.9**
1980	1.0	3.1	4.4	**8.5**	0.6	2.9	27.7	**31.2**	20.9	380.4	13.6	**414.9**	104.6	5.6	242.2	**352.4**	**807.0**
1981	2.0	4.7	8.3	**15.0**	2.9	2.2	22.2	**27.3**	38.7	382.9	13.4	**435.0**	82.9	11.9	211.7	**306.5**	**783.8**
1982	2.0	4.9	10.1	**17.0**	7.8	1.7	20.0	**29.5**	39.5	277.0	12.1	**328.6**	81.6	9.9	169.6	**261.1**	**636.2**

SOURCE: U.S. Census Bureau.

Because these fibers are not grown in the United States (flax production is nominal), imports are taken as the total available supply.

SILK. **Raw material** means raw silk plus silk waste & noils. **Semimanufactured** means spun & thrown silk yarns and silk fabrics. **Finished goods** are mainly scarves, handkerchiefs, blouses and laces.

LINEN. **Raw material** includes hackled and unhackled flax, noils, tow & straw. **Semimanufactured** includes linen yarn, sliver & roving. **Finished goods** are mainly fabrics, handkerchiefs, toweling, napery & dresses.

JUTE. **Raw material** includes unmanufactured jute and jute butts. **Semimanufactured** means yarn & roving, new & waste bagging and burlap in the piece. **Finished goods** are mainly cordage, bags and webbing.

SISAL & OTHERS includes all of the *hard or leaf fibers* (e.g., abaca or manila hemp, coir, crin, henequen, istle or tampico, sisal, etc.) **imported** into the United States plus the *soft or bast fibers* (e.g., hemp, ramie, sunn, etc.) except flax or linen and jute, which are tabulated separately here. **Semimanufactured** is chiefly coir yarns & roving. **Finished goods** are mainly cordage and twine.

APPAREL[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL APPAREL	**1976**	**4830.5**	**2967.7**	**216.0**	**72.1**	**1308.7**	**1370.9**	**1736.0**	**126.8**
	1977	**5135.0**	**3267.8**	**219.1**	**84.4**	**1456.2**	**1508.1**	**1734.7**	**132.5**
	1978	**5023.0**	**3201.2**	**227.6**	**79.0**	**1444.1**	**1450.5**	**1683.1**	**138.7**
	1979	**4825.5**	**2997.3**	**244.8**	**96.4**	**1358.7**	**1297.4**	**1696.2**	**132.0**
	1980	**4728.3**	**2951.0**	**222.2**	**76.2**	**1306.2**	**1346.4**	**1651.9**	**125.4**
	1981	**4478.2**	**2744.5**	**194.3**	**115.0**	**1183.8**	**1251.4**	**1585.2**	**148.5**
	1982	**3963.2**	**2386.1**	**141.9**	**68.8**	**982.2**	**1193.2**	**1449.7**	**127.4**
40 SHEER HOSIERY (W)*	1976	56.2	56.2	--	--	56.2	--	--	--
	1977	54.7	54.7	--	--	54.7	--	--	--
	1978	60.9	60.9	--	--	60.9	--	--	--
	1979	66.1	66.1	--	--	66.1	--	--	--
	1980	70.7	67.8	--	--	67.8	--	r 2.9	--
	1981	73.0	69.9	--	--	69.9	--	r 3.1	--
	1982	71.6	68.5	--	--	68.5	--	3.1	--
19 41 ANKLETS & SOCKS (MW)*	1976	140.9	99.7	--	0.2	48.6	50.9	39.2	2.0
	1977	165.9	129.2	--	0.4	55.9	72.9	34.7	2.0
	1978	178.5	136.3	--	0.3	56.0	80.0	40.2	2.0
	1979	167.1	131.4	--	0.5	52.7	78.2	33.2	2.5
	1980	186.4	151.9	--	0.5	56.9	94.5	r 32.1	2.4
	1981	190.8	149.1	--	0.7	60.3	88.1	r 38.9	2.8
	1982	173.2	139.9	--	0.4	51.7	87.8	30.8	2.5
8 29 SWEATERS & RELATED ACCESSORIES (MW)*	1976	126.9	111.0	--	c	8.1	102.9	6.9	9.0
	1977	158.1	139.0	--	0.7	16.9	121.4	7.6	11.5
	1978	145.4	126.2	--	0.7	10.1	115.4	7.5	11.7
	1979	124.8	103.9	--	0.7	10.2	93.0	6.6	14.3
	1980	137.3	115.8	--	0.1	12.6	103.1	7.9	13.6
	1981	139.7	113.8	--	0.6	0.9	112.3	r 9.8	16.1
	1982	119.8	92.7	--	1.0	1.4	90.3	12.1	15.0
57 CRAFT & HANDWORK YARNS*	1976	93.4	86.2	--	3.4	--	82.8	5.0	2.2
	1977	123.1	116.9	--	3.3	--	113.6	4.2	2.0
	1978	130.8	125.0	--	1.7	c	123.3	3.8	2.0
	1979	129.0	121.1	--	0.9	c	120.2	3.7	4.2
	1980	126.0	118.7	c	0.2	c	118.5	3.3	4.0
	1981	100.6	92.9	--	0.7	c	92.2	r 3.0	4.7
	1982	98.9	91.9	--	0.6	--	91.3	2.5	4.5
16-18 UNDERWEAR & NIGHTWEAR (M)*	1976	257.0	59.2	--	--	2.0	57.2	196.9	0.9
	1977	251.7	66.5	--	--	6.3	60.2	184.2	1.0
SILK	1978	254.7	74.6	--	0.3	14.6	59.7	179.1	1.0
	1979	257.6	86.3	--	0.8	21.3	64.2	170.3	1.0
	1980	250.9	104.0	--	0.8	26.2	77.0	r 145.9	1.0
	1981	226.9	84.9	--	1.1	20.9	62.9	r 140.8	1.2
	1982	222.7	79.6	--	--	16.3	63.3	142.1	1.0
35-39 UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS (W)*	1976	199.3	146.7	23.0	1.5	110.4	11.8	51.6	1.0
	1977	242.7	185.9	19.2	2.2	148.7	15.8	55.8	1.0
	1978	258.7	190.3	14.7	3.2	141.7	30.7	67.4	1.0
SILK	1979	240.8	184.1	18.7	2.1	137.5	25.8	55.7	1.0
	1980	209.9	169.0	19.7	0.6	117.0	31.7	r 39.9	1.0
	1981	203.3	162.0	18.3	c	111.0	32.7	r 40.1	1.2
	1982	173.1	136.1	10.9	--	89.4	35.8	36.0	1.0
10 31 ROBES & LOUNGEWEAR (MW)*	1976	99.1	76.5	39.8	--	33.6	3.1	20.6	2.0
	1977	113.9	91.2	56.3	--	30.4	4.5	20.2	2.5
	1978	133.0	111.1	70.3	c	33.7	7.1	19.9	2.0
SILK	1979	134.2	110.8	60.5	0.9	36.2	13.2	20.9	2.5
	1980	145.7	126.3	63.0	0.4	38.0	24.9	r 17.0	2.4
	1981	120.1	102.5	44.6	0.2	33.5	24.2	r 14.8	2.8
	1982	82.0	67.4	34.5	--	23.7	9.2	12.3	2.3

[a] For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see pages 150-152.

APPAREL[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
54a HIGH PILE FABRICS*	1976	110.0	110.0	--	0.1	3.1	106.8		
	1977	125.0	125.0	--	0.1	6.8	118.1	IN	IN
	1978	115.7	115.7	--	--	10.5	105.2	ITEM	ITEM
	1979	103.0	103.0	c	0.4	13.5	89.1	54b	54b
	1980	100.4	100.4	--	0.1	14.3	86.0	BFLOW	BELOW
	1981	78.6	78.6	--	0.3	13.1	65.2		
	1982	64.1	64.1	--	--	7.0	57.1		
54b FABRICS FOR LINING*	1976	223.5	145.1	89.5	7.2	27.8	20.6	75.2	3.2
	1977	226.8	152.5	93.4	7.2	25.3	26.6	70.8	3.5
	1978	218.7	150.1	92.3	6.6	23.8	27.4	65.6	3.0
	1979	206.7	146.4	86.8	8.7	24.0	26.9	57.8	2.5
	1980	182.6	123.6	78.0	7.5	17.0	21.1	r56.6	2.4
	1981	198.7	144.7	92.7	3.4	19.2	29.4	r51.2	2.8
	1982	144.4	100.6	70.1	1.0	15.7	13.8	41.3	2.5
43 APPAREL LACE (W)*	1976	6.8	5.3	3.5	--	1.8	--	1.5	--
	1977	8.0	6.5	3.5	--	3.0	--	1.5	--
	1978	10.0	8.5	3.7	--	4.8	--	1.5	--
	1979	6.8	5.3	1.7	--	3.6	--	1.5	--
	1980	6.7	5.2	--	--	5.2	--	1.5	--
	1981	8.0	6.5	--	--	6.5	--	1.5	--
	1982	8.7	7.2	--	--	7.2	--	1.5	--
55 RETAIL PIECE GOODS*	1976	477.7	340.0	7.5	7.5	225.0	100.0	132.2	5.5
	1977	459.1	330.0	6.0	6.0	199.0	119.0	124.1	5.0
	1978	405.5	291.0	5.0	5.0	161.0	120.0	110.5	4.0
	1979	348.0	250.0	4.0	4.0	121.0	121.0	94.0	4.0
	1980	316.7	230.0	3.0	3.0	102.0	122.0	r83.7	3.0
	1981	310.5	229.5	2.5	2.0	97.0	128.0	77.4	3.6
	1982	288.8	217.3	3.5	1.8	83.0	129.0	68.3	3.2
56a NARROW FABRICS*	1976	48.1	22.5	7.7	0.6	11.4	2.8	25.6	--
	1977	42.9	23.3	5.7	0.6	13.4	3.6	19.6	--
	1978	54.9	29.9	5.6	0.2	16.0	8.1	25.0	--
	1979	48.4	25.4	5.1	0.4	13.1	6.8	23.0	--
	1980	52.8	29.6	7.5	0.3	17.2	4.6	23.2	--
	1981	46.6	21.6	5.2	--	r14.0	2.4	25.0	--
	1982	40.8	17.8	0.9	--	15.3	1.6	23.0	--
				●	●	●	●		
TOPWEIGHT FABRICS*	1976	907.0	569.0	38.0	35.0	157.0	339.0	336.0	2.0
	1977	982.0	629.0	25.0	43.0	206.0	355.0	351.0	2.0
	1978	1041.3	689.0	24.0	42.0	263.0	360.0	349.8	2.5
	1979	1048.6	686.0	42.0	49.0	265.0	330.0	360.1	2.5
	1980	1008.7	633.0	32.0	41.0	250.0	310.0	373.3	2.4
	1981	930.7	555.0	20.0	70.0	185.0	280.0	372.9	2.8
	1982	824.1	454.0	14.0	40.0	120.0	280.0	368.0	2.1
				●	●	●	●		
BOTTOMWEIGHT FABRICS*	1976	2018.0	1135.0	7.0	15.0	623.0	490.0	784.0	99.0
	1977	2097.0	1212.0	10.0	18.0	689.0	495.0	783.0	102.0
	1978	1931.8	1088.0	12.0	19.0	647.0	410.0	734.3	109.5
	1979	1860.3	966.0	26.0	28.0	592.0	320.0	796.8	97.5
	1980	1860.6	970.0	19.0	21.0	580.0	350.0	797.4	93.2
	1981	1772.5	922.0	11.0	31.0	550.0	330.0	740.0	110.5
	1982	1589.3	839.0	8.0	21.0	480.0	330.0	657.0	93.3
OTHER APPAREL & ACCESSORIES (MW)*	1976	66.6	5.3	--	1.6	0.7	3.0	61.3	c
	1977	84.1	6.1	--	2.9	0.8	2.4	78.0	c
	1978	83.1	4.6	--	c	1.0	3.6	78.5	c
SILK, LINEN	1979	84.1	11.5	--	c	2.5	9.0	72.6	c
	1980	72.9	5.7	--	0.7	2.0	3.0	r67.2	c
	1981	78.2	11.5	--	5.0	2.5	4.0	r66.7	c
	1982	61.7	10.0	--	3.0	3.0	4.0	51.7	c

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

HOME FURNISHINGS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL HOME FURNISHINGS	**1976**	**3526.4**	**2572.8**	**45.0**	**170.6**	**921.5**	**1435.7**	**920.6**	**33.0**
	1977	**3842.3**	**2904.7**	**54.2**	**157.9**	**1072.1**	**1620.5**	**905.6**	**32.0**
	1978	**3995.7**	**3097.4**	**56.3**	**182.1**	**1160.2**	**1698.8**	**863.0**	**35.3**
	1979	**4091.7**	**3216.8**	**48.1**	**146.3**	**1244.0**	**1778.4**	**848.0**	**26.9**
GLASS: 1976-1982	**1980**	**3656.0**	**2828.3**	**47.3**	**122.4**	**1189.2**	**1469.4**	**801.9**	**25.8**
28.4, 18.0, 16.5,	**1981**	**3518.7**	**2722.3**	**35.7**	**119.9**	**1117.3**	**1449.4**	**767.7**	**28.7**
15.4, 12.5, 12.7, 8.8	**1982**	**3147.1**	**2425.0**	**26.0**	**78.4**	**1013.3**	**1307.3**	**696.1**	**26.0**
45 BEDSPREADS & QUILTS*	1976	148.4	62.8	13.2	5.1	19.5	25.0	85.6	--
	1977	147.4	65.1	7.5	5.1	20.5	32.0	82.3	--
	1978	138.2	74.5	3.5	6.0	25.0	40.0	63.7	--
	1979	137.3	76.5	3.0	3.0	23.5	47.0	60.8	--
	1980	128.2	73.0	5.4	2.1	r 15.5	50.0	55.2	--
	1981	125.4	75.7	r 4.9	3.1	r 15.7	r 52.0	r 49.7	--
	1982	116.8	70.2	3.8	2.4	14.0	50.0	46.6	--
46 BLANKETS & BLANKETING*	1976	107.7	93.3	0.1	0.3	4.0	88.9	8.8	5.6
	1977	130.3	115.7	0.2	--	4.8	110.7	8.8	5.8
	1978	129.2	114.7	0.1	2.0	4.7	107.9	8.5	6.0
	1979	112.1	100.3	0.1	2.0	4.1	94.1	7.3	4.5
	1980	109.1	97.2	--	2.0	3.5	91.7	7.9	4.0
	1981	90.5	78.9	--	0.9	3.5	74.5	r 7.1	4.5
	1982	79.2	68.0	--	c	2.5	65.5	7.2	4.0
47 SHEETS & OTHER BEDDING*	1976	528.5	248.4	0.2	8.7	9.2	230.3	280.1	--
	1977	525.2	242.1	0.7	13.7	19.3	208.4	283.1	--
LINEN	1978	506.8	237.4	2.4	13.6	18.1	203.3	269.4	--
	1979	508.5	254.1	3.0	9.0	22.2	219.9	r 254.4	--
	1980	507.9	263.8	2.3	9.4	25.9	226.2	244.1	--
	1981	534.4	299.5	r 2.6	13.8	34.0	249.1	r 234.9	--
	1982	444.0	243.4	3.9	10.6	43.2	185.7	200.6	--
48 TOWELS & TOWELING*	1976	285.5	13.4	--	0.5	--	12.9	272.1	--
	1977	308.6	28.5	--	0.5	--	28.0	280.1	--
LINEN, RAMIE	1978	308.2	27.9	--	0.5	--	27.4	280.3	--
	1979	334.3	34.3	--	0.5	c	33.8	300.0	--
	1980	328.5	35.3	--	0.9	c	34.4	293.2	--
	1981	326.7	32.6	--	0.9	0.3	31.4	294.1	--
	1982	306.6	28.7	--	0.6	0.8	27.3	277.9	--
56b NARROW FABRICS*	1976	6.5	0.8	0.8	--	--	--	5.7	--
	1977	5.7	1.3	0.5	--	0.8	c	4.4	--
	1978	7.2	2.5	1.4	--	0.8	0.3	4.7	--
	1979	6.2	1.9	0.6	--	0.9	0.4	4.3	--
	1980	5.3	1.4	0.2	0.1	0.6	0.5	3.9	--
	1981	6.1	2.3	--	--	0.9	1.4	3.8	--
	1982	5.0	1.8	--	--	0.4	1.4	3.2	--

HOME FURNISHINGS[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
50 TOTAL CARPETS	1976	1781.8	1752.9	0.3	1.8	755.4	995.4	13.4	15.5
& RUGS*	1977	2011.2	1984.7	c	1.0	881.2	1102.5	13.7	12.8
	1978	2178.1	2149.1	--	0.9	970.4	1177.8	15.8	13.2
STEEL	1979	2270.7	2243.2	--	0.6	1038.5	1204.1	16.6	10.9
SEE DETAIL IN	1980	1926.0	1900.7	--	0.2	1001.8	898.7	14.9	10.4
ITEMS 50a & b	1981	1818.6	1794.2	--	0.7	918.4	875.1	12.9	11.5
FOLLOWING	1982	1700.4	1678.7	--	0.7	834.2	843.8	11.2	10.5
50a FACE YARNS*	1976	1590.4	1571.6	--	1.8	577.7	992.1	3.3	15.5
	1977	1796.4	1780.7	--	1.0	684.8	1094.9	2.9	12.8
	1978	1938.1	1921.7	--	0.9	756.7	1164.1	3.2	13.2
	1979	2009.0	1994.4	--	0.6	817.8	1176.0	3.7	10.9
NON-ADD	1980	1686.1	1672.7	--	0.2	804.0	868.5	3.0	10.4
SEE DETAIL	1981	1581.2	1567.1	--	0.7	723.1	843.3	2.6	11.5
IN FOOTNOTE	1982	1471.9	1459.5	--	0.7	649.5	809.3	1.9	10.5
50b BACKING*	1976	191.4	181.3	0.3	--	177.7	3.3	10.1	--
	1977	214.8	204.0	c	--	196.4	7.6	10.8	--
	1978	240.0	227.4	--	--	213.7	13.7	12.6	--
GLASS, JUTE, PAPER	1979	261.7	248.8	--	--	220.7	28.1	12.9	--
	1980	239.9	228.0	--	--	197.8	30.2	11.9	--
NON ADD	1981	237.4	227.1	--	--	195.3	31.8	10.3	--
SEE ITEM 50	1982	228.5	219.2	--	--	184.7	34.5	9.3	--
51 CURTAINS*	1976	67.5	54.1	3.7	19.1	19.8	11.9	13.4	--
	1977	74.0	62.0	1.8	16.3	23.3	20.6	12.0	--
ALSO SEE ITEM 52	1978	88.7	78.2	3.8	19.1	25.5	29.8	10.5	--
	1979	72.9	62.3	1.4	10.6	23.7	26.6	10.6	--
GLASS: 1976-1982	1980	89.5	80.1	4.0	7.5	28.4	40.2	9.4	--
0.4, 0.2, 0.1,	1981	82.2	73.4	r 5.6	6.8	25.2	35.8	8.8	--
0, 0, 0, 0	1982	61.3	53.3	1.3	5.3	18.3	28.4	8.0	--
52 DRAPERY &	1976	566.0	339.1	26.4	135.0	108.4	69.3	215.0	11.9
UPHOLSTERY*	1977	587.0	379.8	41.5	121.0	108.1	109.2	193.8	13.4
	1978	587.2	390.3	42.5	138.0	103.4	106.4	180.8	16.1
SILK, LINEN, BURLAP	1979	575.8	398.5	37.5	115.0	112.6	133.4	165.8	11.5
GLASS: 1976-1982	1980	487.9	328.8	34.1	94.4	94.7	105.6	r 147.7	11.4
23.4, 10.2, 6.9,	1981	468.0	322.7	r 21.4	91.4	103.5	106.4	r 132.6	12.7
7.6, 3.6, 3.7, 3.1	1982	376.5	245.2	15.9	57.7	79.4	92.2	119.8	11.5
OTHER HOME	1976	34.5	8.0	0.3	0.1	5.2	2.4	26.5	--
FURNISHINGS*	1977	52.9	25.5	2.0	0.3	14.1	9.1	27.4	--
	1978	52.1	22.8	2.6	2.0	12.3	5.9	29.3	--
LINEN	1979	73.9	45.7	2.5	5.6	18.5	19.1	28.2	--
GLASS: 1976-1982	1980	73.6	48.0	1.3	5.8	18.8	22.1	r 25.6	--
4.6, 7.6, 9.5,	1981	66.8	43.0	1.2	2.3	15.8	23.7	r 23.8	--
7.8, 8.9, 9.0, 5.7	1982	57.3	35.7	1.1	1.1	20.5	13.0	21.6	--

Noncellulosic yarn includes textile glass.

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook***.

INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL INDUSTRIAL & OTHER CONSUMER	**1976**	**2962.8**	**2386.0**	**60.8**	**254.1**	**1600.0**	**471.1**	**569.3**	**7.5**
	1977	**3154.6**	**2619.1**	**62.1**	**254.3**	**1752.6**	**550.1**	**527.5**	**8.0**
	1978	**3334.2**	**2853.4**	**66.7**	**234.8**	**1914.8**	**637.1**	**471.8**	**9.0**
	1979	**3485.7**	**3015.6**	**50.4**	**220.5**	**2019.7**	**725.0**	**461.6**	**8.5**
GLASS: 1976-1982	**1980**	**3109.0**	**2686.0**	**39.8**	**209.2**	**1804.7**	**632.3**	**412.3**	**10.7**
649.2, 773.3, 870.2,	**1981**	**3311.8**	**2914.9**	**41.4**	**188.8**	**2009.4**	**675.3**	**385.1**	**11.8**
907.2, 861.8, 951.1, 866.8	**1982**	**2984.2**	**2611.3**	**30.1**	**165.2**	**1777.5**	**638.5**	**362.6**	**10.3**
56c NARROW FABRICS*	1976	89.8	64.2	0.6	--	63.6	--	25.6	--
	1977	89.0	69.5	0.2	--	69.3	c	19.5	--
	1978	95.1	77.8	0.3	0.5	76.7	0.3	17.3	--
SILK, LINEN	1979	95.2	79.5	0.2	c	79.0	0.3	15.7	--
	1980	86.7	71.9	1.0	--	68.1	2.8	14.8	--
	1981	91.5	77.8	r 3.4	--	74.0	0.4	13.7	--
	1982	87.4	74.9	3.1	--	70.5	1.3	12.5	--
61 MEDICAL, SURGICAL & SANITARY*	1976	293.3	200.6	--	174.0	16.6	10.0	92.7	--
	1977	317.7	219.9	--	178.0	22.6	19.3	97.8	--
	1978	325.3	230.0	--	165.0	23.5	41.5	95.3	--
	1979	359.0	259.9	--	155.0	24.5	80.4	99.1	--
	1980	343.3	253.2	--	141.7	31.6	79.9	r 90.1	--
	1981	336.2	248.5	--	122.1	38.1	88.3	r 87.7	--
	1982	326.1	234.6	--	106.2	39.9	88.5	91.5	--
63 & 64 TRANSPORTATION FABRIC*	1976	75.3	40.4	0.9	2.5	12.4	24.6	34.9	--
	1977	78.2	49.5	0.5	5.8	13.3	29.9	28.7	--
	1978	66.4	45.4	2.9	6.5	16.4	19.6	21.0	--
	1979	59.0	42.5	0.6	2.9	18.8	20.2	16.5	--
	1980	48.5	37.8	--	1.1	16.5	20.2	r 10.7	--
	1981	62.6	52.8	--	0.5	22.2	30.1	r 9.8	--
	1982	47.8	38.7	--	1.4	22.8	14.5	9.1	--
65 TIRES*	1976	569.9	564.0	30.0	--	534.0	--	5.9	--
	1977	569.6	562.9	35.3	--	527.6	--	6.7	--
	1978	595.5	589.6	37.0	--	552.6	--	5.9	--
STEEL - SEE FOOTNOTE	1979	572.1	565.9	25.7	--	540.2	--	6.2	--
GLASS: 1976-1982	1980	418.4	413.0	20.5	--	392.5	--	5.4	--
24.8, 25.5, 29.0,	1981	428.8	424.1	18.9	--	405.2	--	4.7	--
27.4, 22.0, 23.7, 23.6	1982	376.9	373.3	12.5	--	360.8	--	3.6	--
66 HOSE*	1976	41.8	35.4	14.2	--	11.6	9.6	6.4	--
	1977	44.0	37.5	14.0	--	15.6	7.9	6.5	--
	1978	48.5	43.5	16.0	--	18.5	9.0	5.0	--
LINEN	1979	52.5	47.2	15.5	--	19.9	11.8	5.3	--
	1980	43.2	38.7	11.9	--	18.3	8.5	4.5	--
	1981	47.1	42.9	11.5	--	21.7	9.7	r 4.2	--
	1982	30.1	26.3	7.0	--	15.5	3.8	3.8	--
67 BELTING*	1976	80.5	59.3	3.1	--	41.4	14.8	21.2	--
	1977	74.4	54.4	3.2	--	37.1	14.1	20.0	--
	1978	70.8	57.4	2.0	0.2	37.1	18.1	13.4	--
	1979	91.6	75.9	1.7	0.2	44.7	29.3	15.7	--
GLASS: 1976-1982	1980	62.4	50.5	1.0	0.7	34.5	14.3	r 11.9	--
0.1, 0.1, 0.1,	1981	65.5	54.1	2.4	1.0	37.7	13.0	r 11.4	--
0, 0, 0, 0	1982	46.8	37.8	1.8	0.5	26.7	8.8	9.0	--
69 77 ELECTRICAL & REINFORCED PLASTICS*	1976	536.0	511.0	--	--	511.0	--	25.0	--
	1977	619.8	594.8	--	--	594.8	--	25.0	--
	1978	678.8	653.8	c	--	653.6	0.2	25.0	--
SILK, LINEN, JUTE	1979	712.3	687.3	0.2	--	686.9	0.2	25.0	--
GLASS: 1976-1982	1980	647.1	622.1	--	--	622.1	c	25.0	--
507.6, 589.2, 648.2,	1981	727.3	702.3	c	--	702.2	0.1	25.0	--
680.7, 613.5, 696.2, 630.0	1982	661.6	636.6	--	--	636.6	c	25.0	--
70 FELTS*	1976	19.7	9.7	--	2.1	1.6	6.0	3.5	6.5
	1977	20.1	11.3	--	3.2	2.0	6.1	1.8	7.0
	1978	25.3	15.8	--	6.1	2.3	7.4	1.5	8.0
	1979	26.5	17.6	--	5.3	5.2	7.1	1.4	7.5
	1980	28.1	17.0	--	3.4	4.8	8.8	1.4	9.7
	1981	27.0	14.8	--	4.0	5.2	5.6	r 1.4	10.8
	1982	20.2	9.6	--	--	4.6	5.0	1.3	9.3

INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
71 FILTRATION*	1976	34.0	28.3	--	5.8	8.8	13.7	5.7	--
	1977	40.9	35.0	--	4.2	8.0	22.8	5.9	--
CIGARETTE FILTRATION -	1978	44.6	38.5	--	4.4	8.8	25.3	6.1	--
SEE FOOTNOTE	1979	46.0	40.8	--	3.3	10.5	27.0	5.2	--
GLASS: 1976-1982	1980	47.8	42.2	--	4.0	8.4	29.8	5.6	--
3.7, 3.8, 5.0,	1981	39.6	34.0	--	4.1	10.1	19.8	5.6	--
6.0, 4.3, 5.0, 4.0	1982	35.9	30.9	--	3.7	9.6	17.6	5.0	--
72 SEWING THREAD*	1976	124.6	51.9	0.5	2.9	36.9	11.6	72.7	--
	1977	116.3	56.2	0.3	4.5	39.4	12.0	60.1	--
	1978	116.6	61.4	0.2	4.3	42.2	14.7	55.2	--
SILK, LINEN	1979	111.3	62.6	0.1	3.7	45.7	13.1	48.7	--
	1980	111.9	64.7	c	5.6	46.2	12.9	r47.2	--
	1981	117.7	73.7	c	8.0	49.5	16.2	44.0	--
	1982	98.8	60.6	c	7.1	40.0	13.5	38.2	--
73 ROPE, CORDAGE,	1976	162.7	118.6	3.0	1.2	107.5	6.9	44.1	--
FISHLINE, ETC.*	1977	155.6	122.4	2.2	1.3	112.9	6.0	33.2	--
	1978	171.5	140.1	2.0	1.0	126.4	10.7	31.4	--
SISAL, LINEN,	1979	183.8	154.1	1.0	2.1	147.1	3.9	29.7	--
JUTE, SILK	1980	161.7	134.6	0.8	0.9	130.6	2.3	r27.1	--
	1981	172.4	148.2	1.8	0.7	137.4	8.3	r24.2	--
	1982	162.5	139.3	1.0	0.8	126.6	10.9	23.2	--
74 BAGS & BAGGING*	1976	58.7	49.7	--	--	49.7	c	9.0	--
	1977	53.3	46.0	--	--	45.8	0.2	7.3	--
	1978	51.8	44.5	--	--	44.5	--	7.3	--
JUTE	1979	62.2	55.0	--	--	53.6	1.4	7.2	--
	1980	67.2	60.4	--	--	60.4	--	6.8	--
	1981	69.5	62.9	--	--	61.6	1.3	6.6	--
	1982	68.8	62.6	--	--	62.6	--	6.2	--
75 COATED &	1976	178.1	110.9	--	19.1	31.7	60.1	67.2	--
PROTECTIVE	1977	169.7	102.0	--	17.4	28.5	56.1	67.7	--
FABRICS*	1978	170.3	107.4	--	10.6	36.8	60.0	62.9	--
	1979	167.3	113.8	0.1	10.2	40.9	62.6	53.5	--
GLASS: 1976-1982	1980	175.7	124.2	0.5	10.5	33.3	79.9	r51.5	--
3.8, 4.0, 4.0,	1981	173.0	124.7	--	10.4	33.1	81.2	r48.3	--
4.0, 3.0, 4.0, 3.0	1982	164.7	120.4	--	7.1	42.3	71.0	44.3	
76 PAPER & TAPE	1976	52.6	45.2	1.9	4.3	38.0	1.0	7.4	--
REINFORCING*	1977	58.6	51.2	1.4	6.5	42.6	0.7	7.4	--
	1978	52.0	45.4	1.5	3.0	40.4	0.5	6.6	--
JUTE	1979	46.7	41.6	1.2	c	40.0	0.4	5.1	--
GLASS: 1976-1982	1980	40.7	36.2	1.3	c	34.7	0.2	4.5	--
33.8, 38.5, 39.5,	1981	41.8	38.0	c	0.9	36.6	0.5	3.8	--
39.5, 32.7, 36.0, 28.5	1982	36.1	33.1	c	0.9	29.9	2.3	3.0	--
79a FIBERFILL,	1976	236.4	236.4	--	10.6	--	225.8	--	--
STUFFING	1977	261.7	261.7	--	7.7	--	254.0	--	--
& FLOCK*	1978	268.1	268.1	--	4.8	--	263.3	--	--
	1979	311.2	311.2	--	5.5	--	305.7	--	--
	1980	254.9	254.9	--	6.3	--	248.6	--	--
	1981	293.5	293.5	--	10.7	--	282.8	--	--
	1982	277.2	277.2	--	7.2	--	270.0	--	--
79b UNALLOCATED	1976	77.9	77.9	--	12.2	--	65.7	--	--
NONWOVENS*	1977	83.5	83.5	--	9.5	--	74.0	--	--
	1978	96.7	96.7	--	10.9	--	85.8	--	--
	1979	120.0	120.0	--	14.8	--	105.2	--	--
	1980	95.4	95.4	--	14.1	--	81.3	--	--
	1981	81.6	81.6	--	12.0	--	69.6	--	--
	1982	90.4	90.4	--	9.2	--	81.2	--	--
MISCELLANEOUS	1976	331.5	182.5	6.6	19.4	135.2	21.3	148.0	1.0
INDUSTRIAL &	1977	402.2	261.3	5.0	16.2	193.1	47.0	139.9	1.0
CONSUMER-TYPE	1978	456.9	338.0	4.8	17.5	235.0	80.7	117.9	1.0
PRODUCTS*	1979	469.0	340.7	4.1	17.5	262.7	56.4	127.3	1.0
GLASS: 1976-1982	1980	476.0	369.2	2.8	20.9	302.7	42.8	105.8	1.0
75.4, 112.2, 144.4,	1981	536.7	441.0	3.4	14.4	374.8	48.4	94.7	1.0
149.6, 186.3, 186.2, 177.7	1982	452.9	365.0	4.7	21.1	289.1	50.1	86.9	1.0

Noncellulosic yarn includes textile glass.

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook***.

EXPORTS OF DOMESTIC PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
TOTAL EXPORTS OF DOMESTIC PRODUCTS	**1976**	**476.1**	**202.5**	**26.0**	**26.9**	**66.1**	**83.5**	**266.9**	**13.1**
	1977	**417.7**	**192.7**	**23.2**	**28.2**	**60.8**	**80.5**	**220.9**	**6.7**
	1978	**448.8**	**225.2**	**22.0**	**21.5**	**76.0**	**105.7**	**219.8**	**4.1**
	1979	**620.4**	**313.4**	**21.0**	**12.0**	**128.6**	**151.8**	**301.3**	**3.8**
	1980	**617.5**	**351.8**	**20.0**	**10.8**	**141.0**	**180.8**	**259.3**	**6.4**
	1981	**489.9**	**318.6**	**17.2**	**10.3**	**121.0**	**170.1**	**165.8**	**5.5**
	1982	**336.2**	**215.0**	**11.7**	**6.9**	**82.5**	**113.9**	**114.9**	**6.3**
80 YARN, THREAD, ETC*	1976	61.1	36.9	e	6.0	e	30.9	18.5	5.7
	1977	59.6	39.5	e	9.4	e	30.1	16.9	3.2
	1978	72.3	37.7	e	3.5	e	34.2	32.0	2.6
	1979	94.2	55.8	e	4.0	e	51.8	34.2	4.2
	1980	105.1	53.3	e	3.3	e	50.0	47.0	4.8
	1981	103.9	62.2	e	3.9	e	58.3	38.1	3.6
	1982	75.2	40.2	e	2.5	e	37.7	30.1	4.9
81 WOVEN & KNIT FABRIC*	1976	415.0	165.6	26.0	20.9	66.1	52.6	248.4	1.0
	1977	358.1	153.2	23.2	18.8	60.8	50.4	204.0	0.9
	1978	376.5	187.5	22.0	18.0	76.0	71.5	187.8	1.2
	1979	526.2	257.6	21.0	8.0	128.6	100.0	267.1	1.5
	1980	512.4	298.5	20.0	7.5	141.0	130.0	212.3	1.6
	1981	386.0	256.4	17.2	6.4	121.0	111.8	127.7	1.9
	1982	261.0	174.8	11.7	4.4	82.5	76.2	84.8	1.4
82 TIRE CORD & CORD FABRIC*	1976	INCLUDED IN TIRES (END USE 65)							
	1977								
	1978								
	1979								
	1980								
	1981								
	1982								

NOTES FOR EXPORT ITEMS ABOVE

a. For all lettered and general footnotes to this table, see page 150.

These exports do not duplicate the end use poundages that are reported in Items 1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man-made fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

These data agree with the corresponding figures on page 39 of the March 1983 *Organon,* as revised.

80. YARN, THREAD, ETC. consists of sliver, tops & roving; plied, thrown and spun yarn; sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric. See footnote g on page 39 of the March 1983 *Organon.*

82. TIRE CORD & CORD FABRIC. The data shown in this series in previous *Organon* issues have been incorporated into Item 65, Tires. See footnote 65 on page 152.

SUMMARY OF MAN-MADE FIBER & SEMIMANUFACTURED IMPORTS

MILLION POUNDS

ITEM	1976	1977	1978	1979	1980	1981	1982
CELLULOSIC FIBERS							
YARN	25.1	23.5	25.7	13.3	8.3	10.7	7.0
STAPLE	43.2	57.8	41.1	16.5	10.3	16.8	13.4
WASTE	0.4	0.6	0.4	0.8	0.3	0.5	0.4
NONCELLULOSIC FIBERS							
YARN - SINGLES							
NYLON - TEXTURED	14.1	14.0	4.6	1.0	3.2	3.8	4.7
- OTHER	22.0	34.2	25.0	6.1	3.6	4.0	5.5
POLYESTER - TEXTURED	8.4	26.1	6.1	1.1	0.3	0.8	0.5
- OTHER	6.6	12.7	12.7	7.6	6.7	5.4	5.3
OTHER - TEXTURED	5.1	1.1	0.7	0.1	0.2	0.5	4.4
- OTHER	6.2	2.9	1.2	1.3	1.4	1.6	1.6
MONOFILAMENTS	1.4	1.3	1.6	2.4	4.0	2.6	1.5
STRIPS, OVER $1/LB	0.2	0.2	0.3	0.4	0.2	0.2	0.3
SUBTOTAL ABOVE	**64.0**	**92.5**	**52.2**	**20.0**	**19.6**	**18.9**	**23.8**
STAPLE[a] - NYLON	14.6	9.0	7.3	3.1	2.7	25.7	19.1
- POLYESTER	15.2	5.2	8.2	3.1	1.5	7.0	7.3
- ACRYLIC	18.6	17.0	21.8	16.0	15.9	13.9	12.3
- OLEFIN	+	+	0.1	0.1	0.1	1.1	0.6
- OTHER	18.9	21.7	23.1	17.1	15.3	12.7	11.8
SUBTOTAL ABOVE	**67.3**	**52.9**	**60.5**	**39.4**	**35.5**	**60.4**	**51.1**
WASTE, NOT ADVANCED - NYLON	16.9	13.0	14.6	12.8	11.7	25.3	22.2
- POLYESTER	3.7	2.5	5.4	3.3	6.0	18.1	11.2
- ACRYLIC	5.5	3.6	3.3	2.4	2.4	2.9	0.9
- OTHER	3.3	3.2	1.5	1.6	1.0	3.0	2.5
NOILS & GARNETTED FIBERS	+	+	+	+	+	0.1	0.1
OTHER WASTE, ADVANCED	1.1	0.9	1.2	1.0	0.6	0.6	0.9
SUBTOTAL ABOVE	**30.5**	**23.2**	**26.0**	**21.1**	**21.7**	**50.0**	**37.8**
TOTAL FIBER ABOVE[b]	**230.5**	**250.5**	**205.9**	**111.1**	**95.7**	**157.3**	**133.5**
SEMIMANUFACTURES							
SILVER, TOPS & ROVING	2.9	4.8	7.6	6.7	2.8	3.7	2.7
YARNS, THROWN OR PLIED	3.8	3.5	4.2	2.6	2.2	4.8	6.7
SPUN YARNS	10.0	28.0	45.4	25.6	22.9	23.5	26.5
SEWING THREAD & HANDWORK YARN	2.5	3.5	2.5	2.6	2.3	2.8	2.3
WOVEN FABRICS	64.2	67.7	87.8	64.6	67.3	95.4	93.3
NARROW FABRICS	6.9	7.5	9.4	9.0	8.1	8.7	10.1
KNIT FABRIC	13.1	12.6	12.4	8.0	6.0	2.2	2.3
SUBTOTAL ABOVE	**103.4**	**127.6**	**169.3**	**119.1**	**111.6**	**141.1**	**143.9**
TEXTILE GLASS FIBER	14.3	22.0	21.8	10.3	7.3	18.2	14.1
TOTAL SEMIMANUF. ABOVE[c]	**117.7**	**149.6**	**191.1**	**129.4**	**118.9**	**159.3**	**158.0**
GRAND TOTAL ABOVE	**348.2**	**400.1**	**397.0**	**240.5**	**214.6**	**316.6**	**291.5**

a. Includes grouped filaments.

b. **SOURCE:** U.S. Bureau of the Census.

c. **SOURCE:** *Cotton and Wool Situation,* U.S. Department of Agriculture.

For imports of fiber, the data are taken from the monthly summaries in each *Organon.* A listing of the commodity numbers used may be found on page 157 of this issue under the monthly import table.

GENERAL NOTES FOR THE END USE TABLES ON PAGES 142-148.

Units are in million pounds.

c. Means less than 50,000 pounds, i.e., nominal.

-- Means that little, or none, of the fiber is used.

* When an asterisk appears, there is a footnote at the end of the table.

• Means a significant revision in the 1976-1982 data series compared with the corresponding data shown in the November 1982 *Organon* issue. Earlier years' data on the new basis are not available.

a. This letter in the title of each table refers the reader to these notes.

b. Man-made fiber end use in these tables is divided between Cellulosic (rayon+acetate fibers) and Noncellulosic (nylon, polyester, acrylic, olefin, saran, spandex and textile glass fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 152. All textile glass fiber is tabulated as yarn. Certain waste poundages, which are tabulated with staple, are included; see text on page 139.

The noncellulosic fibers included in this survey, for one or more years, are the acrylic, aramid, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester, saran, spandex and vinyon fibers.

d. The staple data are tabulated in the yarn column.

e. The yarn data are tabulated in the staple column.

r. This datum shows a significant revision compared with the November 1982 *Organon* data.

When textile glass fiber is included in an end use, the word "Glass" appears in the lower left corner of the end use box, together with the annual consumption data for 1976-1982. These glass fiber poundages are included with noncellulosic yarn in that end use and in the section totals.

When silk, linen, jute, sisal, etc., are consumed in an end use, in addition to cotton, wool and the man-made fibers, the fiber is named in the middle left of the end use box. But no poundage data for such fibers are included in either such end use or in the section totals.

As described in the footnotes to Items 54a and 54b above, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS (PAGES 142-143)

a. For all lettered and general footnotes to this table, see notes above.

40. **SHEER HOSIERY (W)** includes full-fashioned & seamless full-length, pantyhose, knee-highs and surgical hosiery. Bodywear is in Items 35-39.

19, 41. **ANKLETS & SOCKS (MW)** includes men's and women's foot socks, anklets and nonsheer knee-high hose. Also includes men's midcalf and surgical hose.

8, 29. **SWEATERS (MW)** includes knitted sweater shirts, coats, jackets and related accessories. Also note Item 57.

57. **CRAFT & HANDWORK YARNS** includes yarn and thread for crocheting, darning, embroidery, mending, hand knitting, etc. The item does not include sewing thread (Item 72). Olefin yarn for macrame is in Miscellaneous Industrial.

16-18. **UNDERWEAR & NIGHTWEAR (M)** includes undershirts, shorts & briefs, sleep coats, pajamas, nightshirts, thermal underwear, etc.

35-39. **UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS.** The underwear and nightwear component includes full and half slips, panties, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, sleep & lounging pajamas, sleep coats, peignoir & robe sets with nightgowns or pajamas, negligees and bedjackets. Includes bodywear and all children's and infants' underwear & nightwear. **Excludes** the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations component includes bandeaux, corsets & girdles, combination & one-piece garments, garter belts, two-way stretch and surgical & maternity foundation garments.

10, 31. **ROBES & LOUNGEWEAR (MW)** includes men's & boys' beach & bathrobes, dressing gowns and smoking jackets; and women's beach- & bathrobes and housecoats.

54a. **HIGH PILE FABRICS** includes all applications (Apparel, Home Furnishings and Industrial). Apparel shell fabrics and "surface lining" garment items are included.

54b. **FABRICS FOR LINING** includes all man-made fiber types except high pile fabrics (Item 54a), lining-type fabrics sold as retail piece goods (see Item 55) and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer-Type). The apparel lining component of this series includes main linings, interlinings, zip-in linings (except pile), linings for pockets and waistbands as well as the acetate and nylon tricot used for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

43. **APPAREL LACE** includes nets and veilings.

55. **RETAIL PIECE GOODS** are mainly women's apparel-type fabrics but all other types of apparel fabrics are included in addition to fabrics destined for apparel linings and home furnishings application.

56a. **NARROW FABRICS** includes **ELASTIC AND NONELASTIC TYPES.** The "narrow woven goods" made by slicing thermoplastic fiber broad woven fabrics with a hot knife to produce fused-edge narrow fabrics are not included here. **NARROW FABRIC** poundages for home furnishings and industrial uses are shown in those sections.

TOPWEIGHT FABRICS includes all shirts, blouses, lightweight dress and other lightweight fabrics. The fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are in Item 55.

BOTTOMWEIGHT FABRICS includes pants, sportswear, tailored clothing, career apparel and other heavier weight fabrics. The fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are in Item 55.

OTHER APPAREL includes men's & women's work gloves and handkerchiefs. Man-made fiber used for knitted accessories such as scarves, mufflers, gloves, caps, etc., is in Items 8 & 29.

NOTES FOR HOME FURNISHING ITEMS (PAGES 144-145)[a]

a. For all lettered and general footnotes to this table, see page 150.

HOME FURNISHINGS. These data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the poundages tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man-made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 139 regarding the inclusion of certain man-made fiber waste poundages here. Certain felt poundages are in Item 70.

45. **BEDSPREADS** includes tailored & throw spreads, both tufted & woven, as well as the backing. **QUILTS** includes comforters and their outer shell; quilted pads are in Item 47.

46. **BLANKETS & BLANKETING** includes woven, knitted, needle-punched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable poundages of rayon, acrylic, nylon & wool waste are included here.

47. **SHEETS** includes pillowcases. **OTHER BEDDING** includes the outside cover of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man-made staple poundages here are mainly polyester for sheets and rayon & polyester for bed ticking. The man-made filament is chiefly polyester for bed ticking.

48. **TOWELS & TOWELING** includes woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste poundage used in these products is not included.

56b. **NARROW FABRICS** includes only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

50. **CARPETS & RUGS (TOTAL)** is the sum of 50a & 50b.

50a. **FACE YARNS.** The data include tufted, woven, knitted and needle-punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass." Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle-punched are the indoor-outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. **CARPET BACKING FIBERS.** The Cellulosic Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small poundages of nylon & polyester filament yarn. The Other Staple is olefin only.

The substantial poundages of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the poundages of wool, hair and jute used in carpet and rug pads and cushions.

51. **CURTAINS** includes lace and other types (principally woven), i.e., cafe, tiered & cottage; ruffled; shortie drapes and tailored. Shower curtains are in Other Home Furnishings.

52. **DRAPERY & UPHOLSTERY** includes furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 56c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS includes woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man-made fibers, it includes insect screening & netting. Wall-covering fabric is in Miscellaneous Industrial.

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS (PAGES 146-147)[a]

a. For all lettered and general footnotes to this table, see page 150.

56c. **NARROW FABRICS** here includes woven labels, industrial webbing, shoelaces, tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. **MEDICAL, SURGICAL & SANITARY** includes bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. **TRANSPORTATION FABRIC** includes auto seat upholstery & slipcovers, sidewall, headlining (except textile glass in Item 77) and sheeting. The cotton poundages include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. It does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc., or the textile glass fiber used in reinforced plastic seating for subways, buses, etc. (in Item 77). Starting in 1978, the man-made fiber used for substrates for automotive fabric is included in Item 75.

65. **TIRES** includes all types, i.e., automobile, truck, tractor, off-road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flipper fabric, breaker strips, bead wraps, etc.

The data include imports of tire yarn, cord & fabric and also cover any poundages subsequently exported in cord or fabric form. The glass figures represent uncoated yarns.

The consumption of steel tire cord for the years 1976-1982 inclusive is estimated as follows: 140.0, 182.0, 182.0, 180.0, 142.0, 154.3 & 159.8. However, these poundages are **not included** in Item 65 above.

66. **HOSE** includes fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67. **BELTING** includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V-belts.

69 & 77. **ELECTRICAL APPLICATIONS & REINFORCED PLASTICS**. The cotton poundages are estimated.

Electrical Applications includes electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics means high- and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.), and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl-supported upholstery fabric in Item 63, etc.

70. **FELTS** includes wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool poundage includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. **FILTRATION** includes woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool poundage used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. **SEWING THREAD** includes home sewing and industrial & weight goods, as well as medical sutures.

73. **ROPE** (braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC.**, includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. **BAGS & BAGGING**. The man-made Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. **COATED & PROTECTIVE FABRICS** includes, for the man-made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets; awnings; beach, garden & tractor umbrellas; inflatable dunnage & cushions; air-supported structures & automotive air-spring diaphragms and boat & pool covers.

The cotton poundages include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton poundages used for vinyl substrates; such poundages are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Man-made fiber surfaces for recreational fields are not included in this survey.

76. **PAPER & TAPE REINFORCING** includes gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

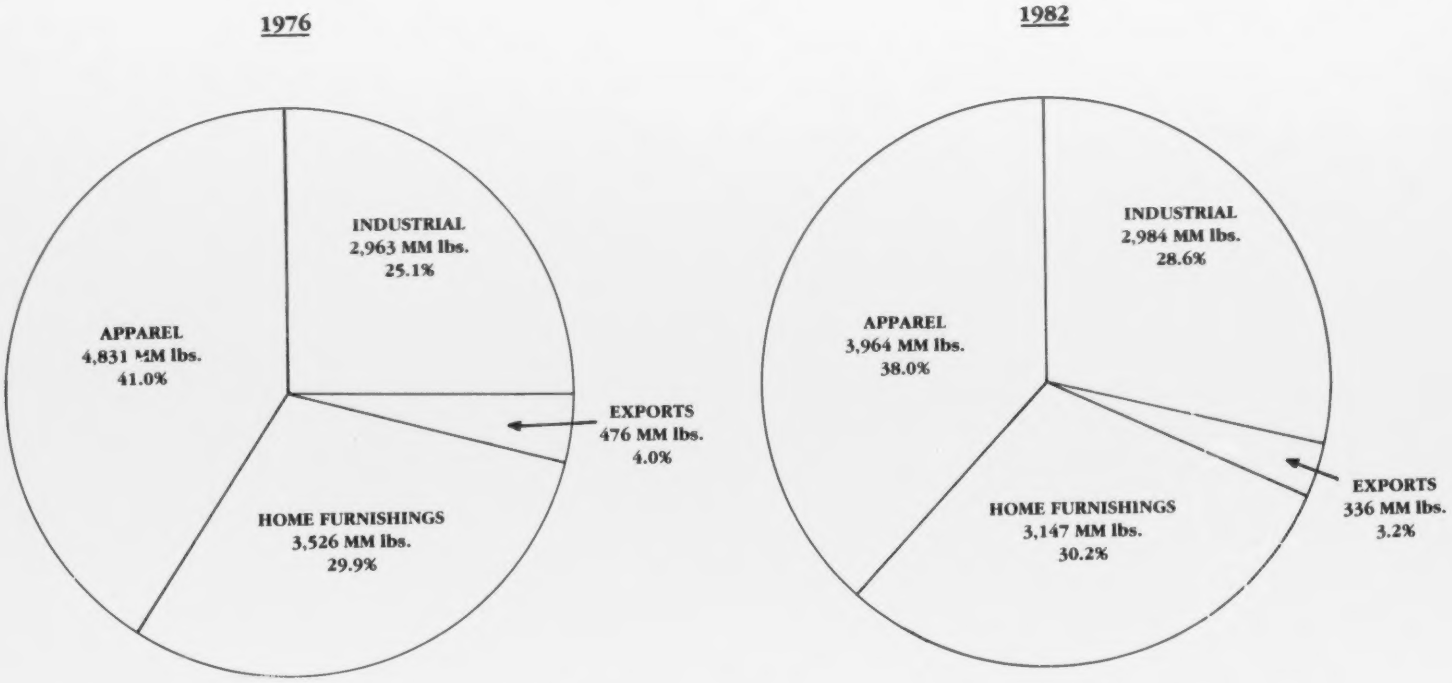
79a. **FIBERFILL, STUFFING & FLOCK** includes all applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1976-1982 inclusive was: 153.1, 176.9, 199.2, 240.8, 206.1, 228.3 & 229.3. For the same years, use of polyester waste for stuffing and filling materials was: 54.6, 59.1, 41.5, 45.4, 24.0, 20.7 & 24.1.

79b. **UNALLOCATED NONWOVENS** means all nonwoven poundages remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary; filtration; coated & protective fabrics; and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS includes the cotton for abrasives; book binding; luggage & handbags; shoes & slippers; tobacco cloth; woven wiping cloths and wall-covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macrame and other craft yarns.

Also included under Other Yarn are the substantial poundages of textile glass fiber not allocated elsewhere, particularly the poundages used in the manufacture of roofing shingles, built-up roofing and wallboard & plaster.

APPAREL, HOME FURNISHINGS, INDUSTRIAL & EXPORT END USES AS A % OF TOTAL END USES



TOTAL END USES: 11,796 MM lbs.

TOTAL END USES: 10,431 MM lbs.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(A) ACETATE		(N) NYLON+ARAMID		(P) POLYESTER		(O) OLEFIN					
HOSIERY[b]	N	106.3	106.3	107.0	92.3	22.4	22.2	23.9	23.8	25.4	26.3		
OTHER CIRCULAR KNIT[c]	N	58.9	56.6	48.2	25.7	8.4	5.4	7.0	4.9	5.3	6.0		
	P	615.4	495.7	345.6	228.4	59.4	57.6	55.4	56.0	77.2	79.3		
	A	4.5	3.2	3.6	1.6	0.4	0.7	0.2	0.3	0.7	0.5		
FLAT KNIT	A	146.9	144.9	98.7	71.7	20.2	20.5	16.9	14.1	18.0	23.6		
	N	202.6	176.3	163.2	130.8	32.8	32.6	31.0	34.4	39.0	42.4		
	P	89.0	83.8	98.4	87.0	21.1	21.8	23.5	20.6	22.4	26.2		
CARPET FACE	N	732.5	714.5	633.6	559.5	123.6	141.4	154.3	140.2	143.9	196.4		
	O	85.3	89.5	89.5	90.0	23.4	22.1	23.0	21.5	29.8	34.0		
CARPET BACKING[d]	O	220.7	197.8	195.3	184.7	45.7	45.6	49.1	44.3	46.1	54.1		
OTHER BROAD WOVEN[e]	A	129.2	110.5	110.7	88.8	22.3	23.3	20.9	22.3	24.2	29.2		
	N	102.7	94.3	89.2	82.2	21.5	20.8	18.9	21.0	21.3	22.3		
	P	387.2	405.5	440.2	367.0	78.4	88.5	98.7	101.4	103.2	135.7		
	O	171.4	186.3	200.7	172.5	42.8	44.6	43.1	42.0	48.9	57.2		
NARROW WOVEN[f]	A	5.9	8.7	8.6	2.9	0.9	0.7	1.0	0.3	0.9	0.2		
	N	37.2	31.4	34.0	30.2	8.2	7.8	6.6	7.6	7.0	9.2		
	P	30.5	28.1	28.1	28.1	5.4	8.3	7.0	7.4	7.7	8.5		
	O	11.8	12.3	12.6	12.1	2.8	3.0	3.2	3.1	3.7	3.5		
TIRES, INCL. CHAFER	N	285.3	209.2	204.7	147.9	39.1	39.8	28.3	40.7	29.2	33.7		
	P	227.4	161.0	174.8	168.9	43.7	44.1	39.9	41.2	42.9	45.3		
OTHER RUBBER INDUSTRY[g]	N	28.7	22.3	25.7	17.3	6.4	5.2	2.7	3.0	4.1	4.3		
	P	35.8	30.2	35.1	26.7	8.4	7.7	5.5	5.1	6.4	7.7		
ROPE, CORDAGE & FISHLINE	N	38.2	33.0	30.6	29.1	7.1	6.7	7.3	8.0	7.5	7.6		
	P	13.6	13.1	15.8	14.4	2.9	3.6	3.3	4.6	3.3	3.4		
	O	95.3	84.4	92.1	84.8	23.2	20.6	19.6	21.4	23.3	25.7		
ALL OTHER[h]	A	1.9	1.9	4.7	4.0	1.1	1.9	0.5	0.5	0.3	0.4		
	N	38.9	95.0	68.1	50.6	12.1	14.6	12.7	11.2	12.3	10.9		
	P	126.2	146.0	292.0	214.3	77.9	60.9	33.7	41.8	43.2	36.5		
	O	39.7	41.4	38.1	32.9	8.9	9.1	6.5	8.4	8.8	9.7		
TOTAL DOMESTIC ABOVE	**A**	**288.4**	**269.2**	**226.3**	**169.0**	**44.9**	**47.1**	**39.5**	**37.5**	**44.1**	**53.9**		
	N	**1631.3**	**1538.9**	**1404.3**	**1165.6**	**281.6**	**296.5**	**292.7**	**294.8**	**295.0**	**359.1**		
	P	**1525.1**	**1363.4**	**1430.0**	**1134.8**	**297.2**	**292.5**	**267.0**	**278.1**	**306.3**	**342.6**		
	O	**624.2**	**611.7**	**628.3**	**577.0**	**146.8**	**145.0**	**144.5**	**140.7**	**160.6**	**184.2**		
TOTAL DOMESTIC ABOVE		**4069.0**	**3783.2**	**3688.9**	**3046.4**	**770.5**	**781.1**	**743.7**	**751.1**	**806.0**	**939.8**		
ALSO DIVIDED AS													
APPAREL		1604.5	1530.4	1530.0	1128.2	303.9	285.6	268.6	270.1	305.4	335.6		
HOME FURNISHINGS		1274.6	1212.7	1129.4	1016.6	237.7	257.4	269.5	252.0	272.0	351.3		
INDUSTRIAL		1189.9	1040.1	1029.5	901.6	228.9	238.1	205.6	229.0	228.6	252.9		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		+	0	0	0	0	0	0	0	0	0		
NYLON		166.8	167.4	159.6	122.3	30.9	29.7	31.6	30.1	30.9	32.8		
POLYESTER		1015.3	942.0	991.3	737.9	198.1	189.1	172.7	178.0	201.0	221.8		
OLEFIN		46.5	40.9	33.5	26.8	7.6	7.9	5.5	5.8	6.9	8.3		

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	238.8	275.7	255.6	230.5	54.7	62.6	56.3	56.9	58.1	64.3		
	NPR	21.3	11.5	8.9	8.7	2.0	2.2	2.2	2.3	2.9	2.7		
PILE FABRICS[b]	A	65.1	60.4	44.7	36.4	10.3	11.6	8.5	6.0	9.0	10.3		
	P	17.8	18.3	14.9	15.6	3.9	3.8	4.0	3.9	4.8	4.9		
OTHER CIRCULAR+FLAT KNIT[c]	R	11.7	9.8	10.9	7.4	2.0	1.8	1.8	1.8	1.0	1.2		
	A	98.8	125.0	91.6	112.6	24.4	33.0	28.8	26.4	31.5	32.2		
	P	278.1	296.3	300.7	288.8	70.9	72.2	71.8	73.9	91.5	91.1		
BLANKETS[b]	A	45.5	42.2	28.1	23.7	4.7	5.5	7.1	6.4	7.7	6.7		
	P	13.2	17.3	14.8	12.0	2.1	3.0	3.3	3.6	3.8	2.8		
OTHER BROAD WOVEN	R	233.2	201.6	224.7	145.5	38.2	34.4	35.1	37.8	40.8	45.3		
	N	59.2	53.0	52.4	56.4	11.6	14.9	14.3	15.6	15.4	16.6		
	A	42.1	42.3	33.0	25.7	5.7	7.9	5.5	6.6	7.7	8.8		
	P	1171.0	1194.6	1107.0	889.0	232.2	222.3	209.6	224.9	237.0	270.4		
	O	17.0	17.3	17.1	16.1	3.7	6.0	2.5	3.9	4.9	5.0		
CARPET FACE YARNS	R	+	+	0.3	0.3	+	0.2	0.1	+	+	0.1		
	N	828.0	631.5	617.4	594.4	125.1	150.1	165.5	153.7	175.3	220.7		
	A	48.1	Included in All Other										
	P	192.4	119.9	124.0	114.7	24.6	32.0	27.6	30.5	34.7	39.8		
	O	64.7	61.6	67.5	76.8	17.0	21.5	19.6	18.7	21.7	23.7		
FIBERFILL[d]	P	239.6	205.1	226.7	228.4	49.0	53.4	60.8	65.2	60.8	68.8		
FLOCK	NP	10.7	10.8	13.0	10.2	2.1	2.8	2.6	2.7	2.3	3.0		
	R	5.1	5.1	5.6	3.1	0.7	0.9	0.8	0.7	0.9	0.7		
NONWOVENS[e,f]	R	160.3	147.3	124.6	110.9	32.0	25.3	27.0	26.6	30.5	29.0		
	N	3.8	3.2	3.5	3.8	1.1	0.8	1.1	0.8	1.1	1.1		
	P	153.6	166.6	149.3	155.2	35.0	38.8	42.8	38.6	38.8	48.4		
	VINYON+O	36.7	34.6	42.7	39.0	7.4	10.2	12.5	8.9	10.2	13.0		
ALL OTHER	R	30.9	26.2	29.1	24.6	4.5	6.8	6.7	6.6	6.3	6.1		
	N	10.8	12.2	10.3	7.7	1.8	2.1	2.1	1.7	1.2	1.6		
	A	8.2	39.7	41.1	29.0	8.3	7.3	7.4	6.0	6.1	7.0		
	P	49.3	42.6	60.6	57.8	18.0	18.1	7.6	14.1	14.6	12.6		
	VINYON+O	0.9	1.5	4.7	7.0	1.2	2.2	1.8	1.8	2.9	2.4		
TOTAL DOMESTIC ABOVE	**R**	**442.4**	**390.7**	**396.9**	**293.7**	**77.6**	**69.8**	**72.1**	**74.2**	**80.1**	**83.0**		
	N	**913.2**	**711.2**	**696.4**	**673.3**	**141.9**	**170.8**	**185.8**	**174.8**	**196.0**	**243.5**		
	A	**546.6**	**585.3**	**494.1**	**457.9**	**108.1**	**127.9**	**113.6**	**108.3**	**120.1**	**129.3**		
	P	**2134.4**	**2071.0**	**2005.4**	**1767.5**	**437.3**	**445.3**	**428.9**	**456.0**	**487.6**	**540.4**		
	VINYON+O	**119.3**	**115.0**	**132.0**	**138.9**	**29.3**	**39.9**	**36.4**	**33.3**	**39.7**	**44.1**		
TOTAL DOMESTIC ABOVE		**4155.9**	**3873.2**	**3724.8**	**3331.3**	**794.2**	**853.7**	**836.8**	**846.6**	**923.5**	**1040.3**		
ALSO DIVIDED AS													
APPAREL		1548.6	1632.9	1487.5	1328.8	328.5	344.0	323.4	332.9	360.8	386.0		
HOME FURNISHINGS		1759.1	1478.0	1442.9	1262.2	287.0	322.9	328.0	324.3	363.9	432.9		
INDUSTRIAL		848.2	762.3	794.4	740.3	178.7	186.8	185.4	189.4	198.8	221.4		

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983									8 MONTHS	
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS											
BRAZIL	0	30	30	30	0	0	59	29		178	82
CANADA	208	341	88	121	0	92	115	79		1044	354
MEXICO	73	52	16	92	39	229	117	78		696	824
AUSTRIA	41	289	219	138	249	316	42	23		1317	1232
GERMANY, FED. REP. OF	93	103	134	79	141	65	153	442		1210	1612
NETHERLANDS	11	71	43	0	96	58	21	34		334	372
UNITED KINGDOM	0	10	0	25	28	87	16	101		267	0
JAPAN	18	6	60	3	50	15	70	27		249	228
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4	24	5		149	513
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**		**5444**	**5217**
CELLULOSIC STAPLE+TOW											
CANADA	442	346	225	425	556	444	380	550		3368	1357
AUSTRIA	0	158	95	0	76	531	76	153		1089	2399
FRANCE	0	0	56	0	18	1	0	3		78	82
SWEDEN	0	187	213	307	420	505	321	522		2475	3629
UNITED KINGDOM	2	0	64	38	41	76	0	66		287	565
JAPAN	134	174	151	178	199	165	157	48		1206	1010
TAIWAN	5	22	0	0	69	0	0	0		96	11
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36	1	0		56	572
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1342**		**8655**	**9625**
NONCELLULOSIC YARN, MONOFIL & STRIPS											
CANADA	752	426	734	662	705	829	678	680		5466	2920
MEXICO	17	289	421	257	439	243	304	307		2277	131
FRANCE	157	210	165	120	98	190	56	128		1124	931
GERMANY, FED. REP. OF	636	574	397	562	547	584	502	319		4121	3715
ITALY	88	11	37	106	401	255	358	53		1309	316
NETHERLANDS	1	34	11	81	6	17	48	3		201	32
SPAIN	153	92	31	127	32	286	248	34		1003	1
SWITZERLAND	47	122	74	96	59	106	40	67		611	82
UNITED KINGDOM	36	444	173	351	457	99	291	184		2035	313
ISRAEL	64	298	74	117	26	111	108	16		814	72
JAPAN	810	902	590	888	1234	687	1182	844		7137	4015
REP. OF KOREA	6	7	3	84	104	52	173	52		481	14
TAIWAN	13	49	25	1	3	58	18	29		196	65
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44	106	216		517	850
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**		**27292**	**13457**
NONCELLULOSIC STAPLE+TOW											
CANADA	278	400	491	274	838	1183	775	464		4703	3765
COSTA RICA	0	0	0	49	42	42	27	91		251	0
MEXICO	1197	475	437	294	810	995	810	778		5796	758
BELGIUM	6	72	2	34	2	36	17	19		188	105
FRANCE	1250	340	687	779	659	665	409	582		5371	3827
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052	1774	862		11631	5331
ITALY	421	1918	608	2105	325	666	348	478		6869	2363
NETHERLANDS	0	38	49	93	52	28	75	77		412	350
SWITZERLAND	0	0	0	55	2	9	42	38		146	71
UNITED KINGDOM	233	736	816	1392	2099	1824	1429	1724		10253	1636
AUSTRALIA	0	91	0	0	0	0	0	0		91	29
ISRAEL	0	55	57	0	0	0	0	0		112	60
JAPAN	933	513	1174	1083	779	1282	1353	1171		8288	4552
REP. OF KOREA	0	40	0	40	0	95	40	41		256	33
TAIWAN	381	449	524	346	38	158	74	184		2154	6598
ALL OTHER COUNTRIES[d]	0	0	7	140	29	75	354	154		710	1003
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6663**		**57231**	**30481**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 49, Italy 19, Rep. of Korea 40, Sweden 9, Taiwan 1 and Yugoslavia 22.

b. Australia 1, Fed. Rep. of Germany 17, German Dem. Rep. 1, Mexico 4 and Romania 33.

c. Australia 12, Austria 35, Belgium 10, Denmark 2, Costa Rica 15, Iceland 16, Ireland 45, Portugal 15, Romania 83, South Africa 221, Sweden 44 and Thailand 19.

d. Austria 28, Denmark 38, Finland 1, Ireland 39, Norway 265, Portugal 11, Romania 172, South Africa 61, Spain 7, Sweden 12, Turkey 41 and Yugoslavia 35.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983									8 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	1983	1982
CELLULOSIC FIBERS												
YARN SINGLES												
TEXTURED	310.0106 & .0206	129	72	5	0	+	50	0	0		256	101
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770	576	734		4930	5108
MONOFILAMENTS	309.0310 & .0610	0	0	0	+	0	0	24	0		24	2
STRIPS, $1 LB & UNDER	309.2000 •	0	12	3	34	38	46	17	84		254	6
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**		**5444**	**5217**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679	930	1236		8162	8588
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79	5	107		494	1037
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**		**8656**	**9625**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0	0	38		215	299
NONCELLULOSIC FIBERS												
YARN SINGLES												
TEXTURED NYLON	310.0109 & .0209	284	338	271	266	445	501	329	242		2676	2515
POLYESTER	310.0110 & .0210	79	40	1	20	127	125	73	144		609	379
OTHER	310.0114 & .0214	853	364	674	602	655	794	726	622		5290	1830
OTHER NYLON	310.0149 & .0249	305	1337	744	1016	1383	934	1279	795		7793	2720
POLYESTER	310.0150 & .0250	962	998	637	1023	1029	918	1334	874		7775	3376
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122	141	138		1780	1351
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73	119	156	76		999	1081
STRIPS, OVER $1 LB	309.2100 & .2500 •	52	15	33	48	59	48	74	41		370	205
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**		**27292**	**13457**
STAPLE NYLON	309.4338	1176	2537	1854	3072	2050	2518	2041	2320		17568	5139
POLYESTER	309.4342	1522	361	934	689	621	833	1064	924		6948	4840
ACRYLIC	309.4345	643	784	879	1040	1133	1769	1682	941		8871	4184
OLEFIN	309.4346	106	3	203	133	92	82	53	26		698	161
OTHER	309.4355	796	660	929	978	342	840	487	405		5437	8197
GROUPED FILAMENTS												
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526	1544	1382		12721	4196
POLYESTER	309.3040 & .3140	+	5	6	175	101	59	30	94		470	26
ACRYLIC	309.3050 & .3150	324	881	416	570	311	397	613	463		3975	3080
OTHER	309.3065 & .3165	16	74	70	82	94	86	13	107		542	658
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**		**57230**	**30481**
WASTE, NOT ADVANCED NYLON	309.6625	1197	1344	2092	1917	2281	2004	2395	2727		15957	15756
POLYESTER	309.6630	572	1339	909	809	677	856	1324	1151		7637	7494
ACRYLIC	309.6645	45	130	0	54	0	0	0	0		229	827
OTHER	309.6660	266	129	118	443	491	405	250	203		2305	2126
NOILS & GARNETTED FIBERS	309.6000 & .7000 •	0	0	0	26	31	41	0	31		129	21
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399	408	56	259	0	1		1565	238
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**	**3565**	**3969**	**4113**		**27822**	**26462**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**	**17160**	**15906**		**126659**	**85541**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD												
YARN PLIED												
TEXTURED CELLULOSIC	310.1106	0	0	0	0	0	+	0	1		1	2
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416	575	777	665	641		4893	2708
OTHER CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2	5	1	5		57	136
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	102	129	160		1583	494
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163	54	172		687	190
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888	3184	2165		20143	14302
OTHER YARNS NES, INCL. CHENILLE	310.6029 - .8000	375	193	325	329	417	558	164	120		2481	2025
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257	218	235	326	85	185		1804	1494
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534	530	413		3757	1795
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657	1264	939	1987		12951	9484
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**	**22911**	**21755**		**175016**	**118171**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

• These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1983									YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	1983	1982
	TOTAL SHIPMENTS[b]										
MAN-MADE FIBER DATA[c]											
YARN+MONOFILAMENTS[d]											
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.1**	**170.5**	**155.0**
NYLON[e] · INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	225.9	242.4
· LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	2.6	24.4	21.9
· CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	556.4	436.4
· TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	32.0	285.5	246.7
POLYESTER · INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	229.8	219.1
· LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	19.2	16.7
· TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	758.1	710.8
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	64.1	66.0	542.5	447.4
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**310.2**	**316.1**	**2641.8**	**2341.4**
STAPLE+TOW+FIBERFILL[j]											
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**281.4**	**265.0**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	685.7	509.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	498.8	480.2
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	1640.4	1452.0
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	134.1	108.4
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**2959.0**	**2550.5**
	END-OF-MONTH STOCK										
YARN+MONOFILAMENTS											
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**14.1**	**11.3**
NYLON[e] · INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	24.8	37.0
· LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	5.1	4.0
· CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	44.2	46.4
· TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3	38.5
POLYESTER · INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	21.3	28.1
· LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.7	2.6
· TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	79.8	75.8
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	55.7	55.7	58.1
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**272.9**	**272.9**	**290.5**
STAPLE+TOW+FIBERFILL											
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**21.3**	**36.8**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	57.9	55.8
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	65.8	64.1
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	160.4	167.9
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.7	21.5
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**300.8**	**309.3**
WOOL & COTTON CONSUMPTION											
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	13.3		98.2	83.1
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.5		6.8	6.6
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.8		105.0	89.7
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	241.7	262.8	2099.8	1861.3

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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Textile Organon

Vol 54, No. 10 · November 1983

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MONTHLY REVIEW

Highlights

U.S. Exports of Man-Made Fiber Fall in Third Quarter to 150.8 Million Pounds . . . see page 171.

U.S. Imports of Man-Made Fiber Rise in September to 18.2 Million Pounds . . . see page 172.

Second Quarter 1983 Import Balance of Man-Made Fiber Manufactures Grows to 101.3 Million Pounds . . . see page 170.

Textile Organon Special Feature: 1983 Listing of U.S. Man-Made Fiber Producers . . . begins on page 163.

Shipments of polyester textile yarn+monofilaments fell in October and shipments of polyester industrial yarn fell to the lowest level since July.

Shipments of nylon yarn to the carpet trades fell in October, but these shipments rose over 37% above the corresponding October 1982 level.

Although shipments of olefin yarn+monofilaments fell in October, for the year to date these shipments rose to a level over 21% above the corresponding January-October period of 1982.

Polyester staple+tow fell in October and shipments of nylon staple+tow fell for the second straight month. Acrylic+modacrylic staple+tow shipments fell in October, but shipments of olefin+vinyon staple+tow rose for the third consecutive month.

ITEM	1983		%[a]	1982	%[b]	YEAR TO DATE		%[c]
	OCT	SEP		OCT		1983	1982	
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**18.0**	**19.0**	*-5.3*	**15.6**	*+15.4*	**188.4**	**170.6**	*+10.4*
NYLON[d] - INDUSTRIAL	32.1	30.6	*+4.9*	25.5	*+25.9*	258.0	267.9	*-3.7*
- LOW DENIER INDUSTRIAL	3.2	3.1	*+3.2*	2.5	*+28.0*	28.1	24.4	*+15.2*
- CARPET	66.8	71.4	*-6.4*	48.6	*+37.4*	623.2	485.0	*+28.5*
- TEXTILE	32.0	31.5	*+1.6*	28.7	*+11.5*	317.0	275.4	*+15.1*
POLYESTER - INDUSTRIAL	25.9	27.4	*-5.5*	23.2	*+11.6*	255.7	242.3	*+5.5*
- LOW DENIER INDUSTRIAL	2.4	2.1	*+14.3*	1.7	*+41.2*	21.6	18.4	*+17.4*
- TEXTILE	83.3	84.0	*-0.8*	70.6	*+18.0*	841.4	781.4	*+7.7*
OLEFIN	57.2	66.7	*-14.2*	46.9	*+22.0*	600.4	494.3	*+21.5*
TOTAL NONCELLULOSIC ABOVE	**302.9**	**316.8**	*-4.4*	**247.7**	*+22.3*	**2945.4**	**2589.1**	*+13.8*
STAPLE+TOW+FIBERFILL								
RAYON	**30.9**	**32.0**	*-3.4*	**32.8**	*-5.8*	**312.3**	**297.8**	*+4.9*
NYLON[d]	79.5	82.8	*-4.0*	61.2	*+29.9*	765.2	571.1	*+34.0*
ACRYLIC+MODACRYLIC	52.6	58.2	*-9.6*	50.7	*+3.7*	551.4	530.9	*+3.9*
POLYESTER	184.3	208.3	*-11.5*	163.8	*+12.5*	1824.7	1615.8	*+12.9*
OLEFIN+VINYON	18.8	17.3	*+8.7*	12.4	*+51.6*	152.9	120.8	*+26.6*
TOTAL NONCELLULOSIC ABOVE	**335.2**	**366.6**	*-8.6*	**288.1**	*+16.3*	**3294.2**	**2838.6**	*+16.0*

– means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. 1983 data for Nylon exclude Aramid, but Aramid is included in 1982.

Also see footnotes on last page of this issue.

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Textile Organon

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DIRECTORY OF U.S. MAN-MADE FIBER PRODUCERS

The 1983 ***Textile Organon*** directory of U.S. man-made fiber producers, which updates and augments the listings presented in the September 1982 and June 1983 issues of the ***Organon***, is featured on pages 163-168.

The directory, it should be noted, presents producer listings in three categories: (1) cellulosic and noncellulosic fibers (except olefin), (2) olefin fiber and (3) textile glass fiber.

The product arrangement follows the generic fiber nomenclature established by the U.S. Federal Trade Commission; the FTC generic definitions appear on page 163.

The following generic names listed by the FTC do not appear in the directory: anidex, azlon, lastrile, nytril and vinal (not made in this country) and metallic, novoloid and rubber (no attempt is made to list these producers).

CAPTIVE FIBER PRODUCERS

Several olefin and nylon producers consume at least some, if not all, of their fiber output in products they manufacture (such as rope, narrow fabric and industrial goods). This type of fiber production is a "captive" operation and is labeled as such in the directory. Note the definition on page 163.

These captive fiber producers are listed in the directory and their output recorded in all ***Organon*** data surveys because their production is a part of the total man-made fiber supply.

U.S. MAN-MADE FIBER PRODUCERS

ALBANY INTERNATIONAL - MONOFILAMENT PLANT•
EXECUTIVE OFFICE: 156 S. Main Street, Homer, NY 13077
Fluoropolymers Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66, & 612 Homer (monofil)
Polyester Homer (monofil - regular & hydrolysis resistant)

ALLIED CORPORATION, CHEMICAL SECTOR, FIBERS DIVISION
EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 N. Tustin Ave., Santa Ana, CA 92705
1775 The Exchange, Suite 160, Atlanta, GA 30339
2100 Fiber Park Dr., Dalton, GA 30720
Friendship Center Office Park, Suite 108, Greensboro, NC 27409
64 South Miller Rd., Akron, OH 44313
Nylon 6 Columbia, SC & Hopewell, VA *A.C.E., Anso, Anso-Tex, Caprolan, Nypel* (yarn, monofil & staple)
Polyester Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN ENKA COMPANY
A PART OF AKZONA, INC.
EXECUTIVE OFFICE: Enka, NC 28728
REGIONAL SALES: Enka, NC 28728
111 W. 40th St., New York, NY 10018
616 Green Valley Rd., Greensboro, NC 27404
2106 Fiber Park Drive, Dalton, GA 30720
Rayon Lowland, TN *Absorbit, Enkaire, Enkrome, Fiber 700, IT* (staple)
Nylon 6 Enka, NC, Central, SC & Lowland, TN *Anti-Cling Crepeset, Crepeset, Enkalon, Enkalure, Enkasheer, Lurelon, Softalon, T.E.N.,* (yarn & staple)
Polyester Lowland, TN *Crepesoft, Encron, Encron 8, Golden Glow, Golden Touch, Matte Touch, Plyloc, Polyextra, Shanton, Silky Touch, Ultra-Touch* (yarn & staple)

NOTES & DEFINITIONS FOR THE DIRECTORY

This directory separates the listing into (1) the cellulosic plus the noncellulosic fibers (except olefin), (2) olefin fiber and (3) textile glass fiber.

● means that the company produces olefin fiber as well as other man-made fiber(s). For example, Ametek produces olefin fiber (page 165) as well as nylon, polyester & saran (see page 164).

Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

• indicates that a new plant, or facilities for producing a new product at an existing plant, is in the planning or construction stage; such facilities are not expected to be operable before 1984 or later.

The localities shown are the plant sites.

Yarn means filament yarn. No attempt is made to identify high tenacity vs. textile tenacity, nor textured or BCF vs. regular, noncellulosic yarns.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross section.

Staple, **tow** and **fiberfill** are self-explanatory.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation, i.e., little or none of the fiber is for sale as such.

In the olefin entries:

Film includes **Slit**: tape produced by slitting an already attenuated wide sheet of olefin film; and **Split**: fibrillated slit film.

Not included in the survey is the slit "fiber" used for decorative or tying ribbons and such.

Rope includes braided & twisted rope as well as filler or core fiber.

Cordage is under 3/16″ and includes tying and harvest (baler & binder) twine.

Carpet Backing is self-explanatory.

Industrial Goods means bags, bale wrap & protective covers, agricultural cloth, tarps & pool covers, etc.

GENERIC NAMES & TRADEMARKS

The generic fiber names used in this survey are mainly those promulgated by the U.S. Federal Trade Commission. Following are those generic names (in **bold type**) and a brief description of the fibers covered by each name.

The *italicized* words are trademarks. All other fiber names are generic and are shown in regular type.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate. Cellulose acetate. Cigarette filtration tow is excluded.

Triacetate. Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon. Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

The viscose rayon yarns are identified as ind (industrial or high tenacity yarn) and reg (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic. At least 85% acrylonitrile by weight.

Modacrylic. 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Nylon. A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc.

Aramid. A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings.

Olefin. At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester. At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran. At least 80% vinylidene chloride by weight.

Spandex. At least 85% of segmented polyurethane.

Vinyon. At least 85% vinyl chloride by weight.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, metallic and novoloid. Fibers falling under the FTC designations of anidex, azlon, nytril and vinal are not produced in the United States.

TEXTILE GLASS FIBER

A fiber produced in two primary forms, namely continuous strand and staple sliver. Continuous strand is a drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, in current practice is a blown fiber. Textile glass fiber thus ***does not*** include the substantial poundages of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand means continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.

Roving means two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving.

Mat means mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (½″ to 3″ strands deposited in a random manner and resin-bonded).

Chopped means chopped yarn, strand or roving (¼″ to 3-¾″ length).

Milled means hammer-milled yarn, strand or roving (1/32″ to ¼″ length).

Staple Yarn & Sliver is a blown fiber, as noted, and means ribbons of generally parallel glass staple (3″ to 15″ random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

AMERICAN CYANAMID COMPANY, FIBERS DIVISION
EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: One Penn Plaza, New York, NY 10119
P.O. Box 32787, Charlotte, NC 28232
Acrylic Milton, FL *Creslan* (staple & tow)

AMERICAN HOECHST CORPORATION
EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876

HOECHST FIBERS INDUSTRIES DIVISION
EXECUTIVE OFFICE: 1515 Broadway, New York, NY 10036
REGIONAL SALES:
5601-77 Center Drive, Suite 250, Charlotte, NC 28210
California Mart, 110 E. 9th St., Los Angeles, CA 90079
Polyester Spartanburg, SC *Trevira* (yarn, staple & spunbonded)
Delaware City, DE (monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION•
EXECUTIVE OFFICE: Box 339, Odenton, MD 21113
Nylon 6, 66, 612 & 11 Odenton, MD (monofil)
Polyester Odenton (monofil)
Saran Odenton (monofil)

AVTEX FIBERS INC.
EXECUTIVE OFFICE:
3 Lee Rd. (Chesterbrook), P.O. Box 880, Valley Forge, PA 19482
SALES OFFICE: 1185 Avenue of the Americas, New York, NY 10036
REGIONAL SALES:
1 Fairview Plaza, 5950 Fairview Rd., Suite 501, Charlotte, NC 28210
Acetate Meadville, PA (yarn)
Rayon Front Royal, VA *Aviloc, Avril, Avril II, Avril III, Avril Prima, Fibers 40 & 43* (ind yarn & staple)
Polyester Lewistown, PA *Avlin* (yarn)
Vinyon Meadville (staple)

BADISCHE CORPORATION
EXECUTIVE OFFICE: Williamsburg, VA 23185
REGIONAL SALES: 5505 East Carson St., Lakewood, CA 90713
500 Holiday Avenue, The Badische Building, Dalton, GA 30720
111 West 40th St., New York, NY 10018
Acrylic Williamsburg, VA *Zefran* (staple)
Nylon 6 Anderson, SC *Zeftron* (yarn & staple)
Badische Corp. has carpet yarn spinning plants at Allendale, SC and Sylvania, GA.

BERKLEY & CO. INC.•
EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360
Nylon 6 Spirit Lake, IA (monofil)

CAMAC CORPORATION•
EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203
Nylon 6 Bristol, VA *Camalon* (yarn)

CELANESE FIBERS OPERATIONS
A DIVISION OF CELANESE CORPORATION
EXECUTIVE OFFICE: P.O. Box 32414, Charlotte, NC 28232
MARKETER: Celanese Fibers Operations, Marketing,
1211 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 110 E. 9th St., Room A 1229, Los Angeles, CA 90015
6650 Powers Ferry Rd. N.W., Atlanta, GA 30339
P.O. Box 32414, Charlotte, NC 28232
2950 W. Market St., Akron, OH 44313
Acetate Rock Hill, SC (Celriver) & Narrows, VA (Celco) *Celanese* (yarn, staple & tow)
Triacetate Rock Hill *Arnel* (yarn, staple & tow)

CORTLAND LINE COMPANY
EXECUTIVE OFFICE: 67 E. Court St., P.O. Box 1362, Cortland, NY 13045
Nylon 6 Cortland, NY (monofil - captive)

COURTAULDS NORTH AMERICA INC.
EXECUTIVE OFFICE: 104 West 40th St., New York, NY 10018
REGIONAL SALES: P.O. Box 2648, Mobile, AL 36652
Rayon Le Moyne, Mobile County, AL *Coloray, Fibro* (staple)
Nylon 6 Le Moyne *Courtaulds, Shareen,* (yarn & monofil)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)•
TEXTILE FIBERS DEPARTMENT•
EXECUTIVE OFFICE: Wilmington, DE 19898
REGIONAL SALES: 5500 Union Pacific Ave., City of Commerce, CA 90022
2 N. La Salle St., Suite 1905, Chicago, IL 60602
350 Fifth Ave., New York, NY 10118
6250 Fairview Rd., Charlotte, NC 28234
2770 W. Market St., Akron, OH 44313
50 North Broadway, Rumford, RI 02916
300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411
Acrylic Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Fluorocarbon Richmond, VA *Teflon* TFE- & FEP-fluorocarbon fiber (yarn, monofil, staple, tow & flock)
Nylon 66 Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Aramid Richmond *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Polyester Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex Waynesboro *Lycra* (fused multifil or coalesced monofil)
POLYMER PRODUCTS DEPARTMENT
EXECUTIVE OFFICE: see listing above
Nylon 6, 66, 612 & Polyester Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY
CAROLINA EASTMAN COMPANY
EXECUTIVE OFFICE: Columbia, SC 29202
Polyester Columbia, SC *Kodel* (yarn & staple)

TENNESSEE EASTMAN COMPANY
EXECUTIVE OFFICE: Kingsport, TN 37662
EASTMAN CHEMICAL PRODUCTS, INC.,
FIBERS DIVISION - MARKETER, Kingsport, TN 37662
REGIONAL SALES: California Mart, 110 E. 9th St., Los Angeles, CA 90079
1133 Avenue of the Americas, New York, NY 10036
Acetate Kingsport, TN *Chromspun, Estron* (yarn)
Polyester Kingsport *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. (subsidiary of Celanese Corporation)
EXECUTIVE OFFICE: P.O. Box 10038, Charlotte, NC 28237
MARKETER: Celanese Fibers Operations, Marketing - see adjacent listing
Polyester Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, ESP, Fortrel, Fortrel 7, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)

FIRESTONE FIBERS & TEXTILES COMPANY
DIVISION OF FIRESTONE TIRE & RUBBER COMPANY
EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052
Polyester Hopewell, VA (yarn)

GLOBE MANUFACTURING CO.
EXECUTIVE OFFICE: 456 Bedford St., Fall River, MA 02720
Spandex Fall River, MA & Gastonia, NC *Cleerspan, DC-100, DC-700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY,
CHEMICAL DIVISION
EXECUTIVE OFFICE: Akron, OH 44316
Polyester Scottsboro, AL & Point Pleasant, WV (yarn - captive)

GUILFORD MILLS, GAINESVILLE DIVISION
EXECUTIVE OFFICE: 4925 West Market St., Greensboro, NC 27402
PLANT OFFICE: 455 Osborne St., S.E., Gainesville, GA 30501
Nylon 6 Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED
(subsidiary of Falk Fibers & Fabrics Inc.)
EXECUTIVE OFFICE: 2120 Pinecroft Road, Greensboro, NC 27407
REGIONAL SALES: 1450 Broadway, New York, NY 10018
2120 Pinecroft Road, Greensboro, NC 27407
Nylon 6 Yanceyville, NC *Hanover* (yarn & monofil)

JOHNSON FILAMENTS, INC. (subsidiary of JWI Ltd.)
EXECUTIVE OFFICE: Industrial Ave., Williston, VT 95495
Nylon 6/66 Williston, VT (monofil)
Polyester Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION
EXECUTIVE OFFICE: 2303 W. Meadowview Rd., Greensboro, NC 27407
Nylon 66 Creedmoor, NC (yarn - captive)

MONOFILAMENTS, INC.
EXECUTIVE OFFICE: 1401 Hopeman Pkwy., Waynesboro, VA 22980
Nylon 6/66 Waynesboro, VA (monofil)
Polycarbonate Waynesboro (monofil)
Polyester Waynesboro (monofil)

MONSANTO COMPANY
EXECUTIVE OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63167
MONSANTO FIBERS & INTERMEDIATES COMPANY
REGIONAL SALES: 110 E. 9th St., Los Angeles, CA 90015
1401 Dove St., Newport Beach, CA 92663
320 Interstate North Pkwy., Atlanta, GA 30339
Merchandise Mart, 222 North Bank Dr., Chicago, IL 60654
1460 Broadway, 11th Fl., New York, NY 10036
6230 Fairview Rd., Charlotte, NC 28210
260 Springside Dr., P.O. Box 5444, Akron, OH 44313
Acrylic Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic Decatur *SEF* (staple & tow)
Nylon 66 Pensacola, FL & Greenwood, SC *Ultron* (yarn, monofil & staple), *Cerex* (spunbonded)
MONSANTO PLASTICS AND POLYMERS COMPANY
SALES OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63167
Nylon 66 Pensacola *AstroTurf* (recreational & landscaping surfaces)

NORTH AMERICAN RAYON CORPORATION
EXECUTIVE OFFICE: 1011 Schaub Drive, Raleigh, NC 27606
REGIONAL SALES: 500 Fifth Ave., New York, NY 10110
Rayon Elizabethton, TN (ind & reg yarn and tow)

OMEGA YARNS, INC. (subsidiary of Tietex Corp.)
EXECUTIVE OFFICE:
Blackstock Rd., P.O. Box 6218, Spartanburg, SC 29304
SALES OFFICE: 183 Madison Ave., New York, NY 10017
Polyester Asheboro, NC (yarn)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION
SALES OFFICE: 1801 Main St., P.O. Box 246, Columbia, SC 29202
Nylon 6/66 Columbia, SC *Sooflex, Superflex, S-3, Wonderthread* (monofil)
Polyester Columbia *Shakespeare Wonderthread* (monofil)

STAR FIBERS, INC.
EXECUTIVE OFFICE: 136 Fuller Rd., Albany, NY 12205
REGIONAL SALES: Edgefield, SC 29824
Nylon 6 Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC.
EXECUTIVE OFFICE: 4 Park Avenue, New York, NY
Polyester Ansonville, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION
(subsidiary of Falk Fibers & Fabrics Inc.)
EXECUTIVE OFFICE: see **Hanover Mills.**
REGIONAL SALES: 1450 Broadway, New York, NY 10018
2120 Pinecroft Road, Greensboro, NC 27407
Polyester Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION
EXECUTIVE OFFICE: 75 Federal St., Boston, MA 02110
REGIONAL SALES: 1200 East Morehead St., Charlotte, NC 28204
Nylon 6 Johnsonville, SC *Wellon* (staple & monofil)
Nylon 66 Johnsonville *Wellon, Wellstrand* (staple, tow, tops & monofil)
Polyester Johnsonville *Fillwell, Wellene, Wellstrand* (staple, tow & monofil)

OLEFIN FIBER

ACS INDUSTRIES, INC.
EXECUTIVE OFFICE: 71 Villanova St., Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn & staple)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT
EXECUTIVE OFFICE: see listing on page 163
PLANT: Homer, NY (P monofil)

AMERICAN MANUFACTURING COMPANY
EXECUTIVE OFFICE: 206 Willow Ave., Honesdale, PA 18431
REGIONAL SALES: 2679 E. El Presidio Street, Long Beach CA 90810
5854 Hollis St., Emeryville, CA 94608
700 East Union St., P.O. Box 52134, Jacksonville, FL 32201
6002 North 51st St., Tampa, FL 33610
P.O. Box 3, Central of Ga. RR Warehouse 5, Savannah, GA 31402
500 Country Club Dr., Bensenville, IL 60106
1523 St. Ferdinand St., New Orleans, LA 70117
139 California St., Newton, MA 02158
1715 South 11th St., St. Louis, MO 63104
1313 Old River Rd., Cleveland, OH 44113
2609 Leeland St., Houston, TX 77003
5050 First Avenue South, Seattle, WA 98134
HONESDALE ROPE DIVISION
PLANT: Honesdale, PA (E & P monofil & film)
LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION
EXECUTIVE OFFICE: see listing on page 164
PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS COMPANY,
PATCHOGUE PLYMOUTH DIVISION
EXECUTIVE OFFICE: 550 Interstate North Pkwy., Atlanta, GA 30339
REGIONAL SALES: 15377 Del Prado, Hacienda Heights, CA 91745
P.O. Box 911, Dalton, GA 30720
P.O. Box 3545, 604 Sheridan Avenue, Dalton, GA 30720
700 West 1st Street, Lowell, NC 28098
PLANTS: Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA, Lowell, NC and Afton, VA (P yarn, monofil, film & staple)
The company produces *Needl Bac, Poly Bac* & *Poly Bac FLW* primary carpet backing; *Action Bac* secondary carpet backing; *Propex* industrial goods; and *Marquesa Lana, Patlon* & *Patlon Plus* yarn at these locations.

ARLIN MFG. CO., INC.
EXECUTIVE OFFICE: 239 Industrial Ave., Lowell, MA 01853
PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.
EXECUTIVE OFFICE: Lancaster, PA 17604
PLANT: Charlotte, NC (P film - captive)
The company weaves carpet backing here.

BEMIS COMPANY, INC.
EXECUTIVE OFFICE: 800 Northstar Center, Minneapolis, MN 55402
REGIONAL SALES: 2400 S. Second St., St. Louis, MO 63104
90 Park Ave., New York, NY 10016
PLANT: St. Louis, MO (P film)

BERKLEY & CO. INC.
EXECUTIVE OFFICE: see listing on page 164
PLANT: Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN EXTRUSIONS
EXECUTIVE OFFICE: P.O. Box 100, Anniston, AL 36202
PLANT: Anniston, AL *Gold Medal, Poly Autotwine, Poly Macrame Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film cordage and industrial yarn & tape)

BRIDON CORDAGE INC.
EXECUTIVE OFFICE: 909 16th St., Albert Lea, MN 56007
PLANT: Albert Lea, MN (P film cordage)

CAMAC CORPORATION
EXECUTIVE OFFICE: **see listing on page 164**
PLANT: Bristol, VA (P yarn)

CHASE BAG COMPANY
EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830
PLANTS: Orange, CA & New Orleans, LA (P film industrial goods)

THE COLUMBIAN GROUP
DIVISION OF THE COLUMBIAN ROPE COMPANY
EXECUTIVE OFFICE: 1 Columbian Drive, Auburn, NY 13021
REGIONAL SALES: 90 Charter Oak Ave., San Francisco, CA 94124
600 St. George Ave., Jefferson, LA 70181
1003 Medina St., Houston, TX 77012
PLANTS: Jefferson, LA & Auburn, NY *Manipro, Poly K, Poly Twine, Polypro 6,* Radiant Twine (E & P monofil & film)

CONCORDE FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 200, Highway 45, Jamestown, SC 29453
PLANT: Jamestown, SC (P yarn)

CROWE ROPE COMPANY
EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P monofil rope)

CROWN ZELLERBACH CORPORATION,
NONWOVEN FABRICS DIVISION
EXECUTIVE OFFICE: 1 Bush St., San Francisco, CA 94119
SALES HEADQUARTERS: 3720 Grant St., Washougal, WA 98671
PLANT: Washougal, WA *Celestra, Fibretex* (P spunbonded)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
TEXTILE FIBERS DEPARTMENT
EXECUTIVE OFFICE: see listing on page 164
PLANTS: Old Hickory, TN & Richmond, VA *Typar* (P spunbonded),
Tyvek (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC.
EXECUTIVE OFFICE: 521 Roosevelt Ave., Central Falls, RI 02862
PLANT: Central Falls, RI (P film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION
EXECUTIVE OFFICE: 660 Hopmeadow St., Simsbury, CT 06070
PLANT: Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS,
INDUSTRIAL TEXTILES DIVISION
DIVISION HEADQUARTERS: Hwy. 78 West, Summerville, SC 29483
MARKETING OFFICE: 380 Interstate North, Suite 375, Atlanta, GA 30339
PLANTS: Kingman, KS (P monofil & film cordage)
Summerville, SC (P monofil & film fabrics)
The company also weaves *Baxon & Fuzzbak* carpet backing and packaging fabrics at Summerville, SC.

FNT INDUSTRIES, INC.
EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FIBERS & FABRICS OF GEORGIA, INC.
(subsidiary of Georgia Synthetics, Inc.)
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (E & P yarn, monofil & multifil)
The company also weaves carpet backing here.

FIBERS SOUTH, INC.
EXECUTIVE OFFICES: P.O. Box 189, Trussville, AL 35173
PLANT: Trussville, AL (P yarn, monofil, & tapes)

FIBRON CORPORATION OF TENNESSEE
(subsidiary of Harbour Group Ltd.)
EXECUTIVE OFFICE: Clayton, MO
PLANT: Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED
EXECUTIVE OFFICE: 999 Airport Road, Lakewood, NJ 08701
PLANT: Lakewood, NJ (P yarn)

GENERAL FIBERS & FABRICS, INC.
EXECUTIVE OFFICE:
Orchard Hill Rd., LaGrange Industrial Park, LaGrange, GA 30240
PLANT: LaGrange, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (E & P yarn, monofil & multifil)
Also note **FIBERS & FABRICS OF GEORGIA, INC.**

GLADDING CORP., CORDAGE DIVISION
EXECUTIVE OFFICE: Gladding St., South Otselic, NY 13155
PLANT: South Otselic, NY (P monofil)

HERCULES INCORPORATED, FIBERS MARKETING DIVISION
EXECUTIVE OFFICE: 910 Market St., Wilmington, DE 19899
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Rd., Suite 301,
Norcross, GA 30071
REGIONAL SALES: 280 Railroad Ave. Greenwich, CT 06830
PLANT: Oxford, GA *Herculon* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY
EXECUTIVE OFFICE: 677 Cincinnati Ave., Xenia, OH 45385
PLANT: Xenia, OH (P film cordage)

JACKSON ROPE COMPANY,
DIVISION OF TUBBS CORDAGE COMPANY
EXECUTIVE OFFICE: see listing under Tubbs Cordage.
PLANT: Austin, TX (P monofil & film)

KELLER INDUSTRIES, INC.
EXECUTIVE OFFICE: 18000 State Rd. #9, North Miami, FL 33162
PLANT: Swainsboro, GA (P monofil - captive)
The company weaves outdoor furniture webs here.

KIMBERLY-CLARK CORPORATION
EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANTS: Corinth, MS, Balfour, NC & Neenah, WI
Accord, Duraguard, Evolution (P spunbonded), *Cyclean* (P spunbonded/meltblown laminate), *Evolution II, Safeguard CPF* (P spunbonded meltblown & P meltblown)

LAMBETH CORPORATION
EXECUTIVE OFFICE: 627 Tarkiln Hill Rd., New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY (a Consolidated Foods Company)
SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil - captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC.
EXECUTIVE OFFICE: 522 Fifth Ave., New York, NY 10036
REGIONAL SALES:
Northeastern Industrial Park, Guilderland Center, NY 12505
PLANT: Guilderland Center, NY (E film - captive)

MIRAFI INC. (subsidiary of Dominion Textiles)
EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Moultrie, GA (P film - captive)

NSI, INC.
ADMINISTRATIVE OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film - captive)
The company weaves carpet backing here.

THE OSTERNECK COMPANY
EXECUTIVE OFFICE: P.O. Box 849, Lumberton, NC 28358
PLANT: Lumberton, NC (P film)
The company weaves carpet backing and industrial goods here.

PHILLIPS FIBERS CORPORATION
(subsidiary of Phillips Petroleum Company)
EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC 29602
REGIONAL SALES: 630 Fifth Ave., New York, NY 10020
PLANTS: Rocky Mount, NC & Spartanburg, SC
Marvess (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon* and *Supac* nonwoven fabrics at Seneca, SC.

POLYLOOM CORP OF AMERICA
EXECUTIVE OFFICE: 1615 N. Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

SARLON INDUSTRIES, INC.
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

SHUFORD MILLS, INC.
EXECUTIVE OFFICE: Highland Ave. & 15th St., N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage and twine)

SUNSHINE CORDAGE CORPORATION
EXECUTIVE OFFICE: 7250 N.W. 41st St., Miami, FL 33166
PLANT: Miami, FL *Cala-Line, Oletex, Poncar, Sunshine, Sunylon, Sunypool* (E & P monofil)

SYNTHETIC INDUSTRIES
EXECUTIVE OFFICE: 309 Lafayette Rd., Chickamauga, GA 30707
PLANTS: Chickamauga, GA & Houston, TX (P film - captive)
The company weaves slit film carpet backing and industrial fabrics.

SYNTHETIC INDUSTRIES (TEXAS), INC.
EXECUTIVE OFFICE: P.O. Box 40504, Houston, TX 77040
PLANT: Houston, TX (E & P film)

TUBBS CORDAGE COMPANY
EXECUTIVE OFFICE:
660 Bryant St., P.O. Box 7986, San Francisco, CA 94120
REGIONAL SALES: P.O. Box 709, Orange, CA 92666
2045 No. 15th Ave., Melrose Park, IL 60160
5501 Jefferson Highway, Harahan, Jefferson Parish, LA 70123
1355 West Front St., Plainfield, NJ 07063
1311 Palmer St., Houston, TX 77003
415 South Fidalgo St., Seattle, WA 98108
PLANT: Orange, CA *Loktite* (P monofil & film)
The company's Yarn Division operates carpet yarn spinning facilities at Dos Palos and Porterville, CA.
Also see listing for **JACKSON ROPE COMPANY**

TWINE PRODUCTS CORPORATION
EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY
EXECUTIVE OFFICE: 711 Hamilton Ave., Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box G, Beverly, NJ 08010
PLANT: Elkin, NC (E & P monofil rope & cordage)

WALTRICH PLASTIC CORPORATION
EXECUTIVE OFFICE: P.O. Box 19, Route 522, Tennent, NJ 07763
PLANT: Tennent, NJ (P monofil)

WAYN-TEX INC.
EXECUTIVE OFFICE: 901 Delphine Ave., Waynesboro, VA 22980
REGIONAL SALES: 14014 Alondra Blvd., Santa Fe Springs, CA 90670
1805 S. Hamilton St., Dalton, GA 30720
PLANT: Waynesboro, VA *Beamette, Waynfil*
(E & P yarn & monofil & P film)
The company also weaves *Wayntuf* primary carpet backing, *Waynlok* secondary carpet backing and *Waynlon* industrial fabrics here.

WELLINGTON PURITAN MILLS (MONTAIR DIV.)
EXECUTIVE OFFICE: Nelson St., Pilot Mountain, NC 27041
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.
EXECUTIVE OFFICE: 52 Courtland St., Paterson, NJ 07503
PLANTS: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

In addition to the above company listings, the following companies are known to produce olefin yarn and/or staple: **Beaulieu**, Dalton, GA; **Burlington**, Greensboro, NC; **Cavalier Carpet**, Dalton, GA (yarn); **Color Trend**, Dalton, GA (yarn); **Cutlass Carpet**, Dalton, GA (yarn); **Diamond Carpet**, Chatsworth, GA (yarn);**Integrated Products**, Rome, GA; **J & J Industries**, Dalton GA; and **Southern Weaving**, Greenville, SC.

The following companies are also producing a variety of textile products from olefin: **Conwed Corp.** Conwed Plastic Netting (P embossed film for netting); **E.I. du Pont de Nemours & Company (Inc.)** (E & P embossed film for netting); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); **Riegel Products Corporation** *Polyweb* (P meltblown); and **The 3M Company** (P spunbonded).

TEXTILE GLASS FIBER

CERTAINTEED CORPORATION
FIBER GLASS REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: P.O. Box 736, Bessemer, AL 35023
205-B Main Street, Suite I, Pleasanton, CA 94566
1801 E. Parkcourt St., Bldg. E, Suite 103, Santa Ana, CA 92701
6 Ingham Hill Road, Essex, CT 06425
1300 S. Harbor City Blvd., Suite [illegible]1, Melbourne, FL 32901
854 Fairway Drive, Bensenville, IL 60106
1450 Souter St., Troy, MI 48083-2986
1540 S. Holland-Sylvania Road, Maumee, OH 43537
2727 E. 21st Street, Suite 600, Tulsa, OK 74114
1400 Union Meeting Road, Blue Bell, PA 19422
P.O. Box 5419, Spartanburg, SC 29304
4811 Lebanon Road, Hermitage, TN 37076
1401 Pioneer Parkway West, Arlington, TX 76013
9317 N.E. Highway 99, Unit D, Vancouver, WA 98665
PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC.
EXECUTIVE OFFICE: Homestead Place, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped)

LUNDY TECHNICAL CENTER
EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving & strand and nonwoven metallized glass mat)

MANVILLE CORPORATION, FILTRATION & MINERALS DIVISION
EXECUTIVE OFFICE: P.O. Box 5108, Ken-Caryl Ranch, Denver, CO 80217
REGIONAL SALES: 7500 Dutch Rd., Waterville, OH 43566
PLANTS: Waterville, OH & Etowah, TN *Chop-Pak* (mat, chopped strand and staple yarn & sliver)

NICOFIBERS INC.
EXECUTIVE OFFICE: Ironpoint Rd., Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

PPG INDUSTRIES, INC., FIBER GLASS PRODUCTS
EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272
REINFORCEMENT PRODUCTS:
REGIONAL SALES: 1700 E. Dyer Rd., Suite 200, Santa Ana, CA 92705
880 Johnson Ferry Rd., N.E., Suite 220, Atlanta, GA 30342
4015 Executive Park Dr., Suite 100, Cincinnati, OH 45241
AUTOMOTIVE SALES OFFICE:
2155 West Big Beaver Rd., P.O. Box 3510, Troy, MI 48084
TEXTILE PRODUCTS:
30 Tower Lane, Avon Park South, Avon, CT 06001
1601 East Garrison Blvd., Suite 210, Gastonia, NC 28052
322 Park Ave., Scotch Plains, NJ 07076
PLANTS: Lexington & Shelby, NC *Azdel* (yarn, roving, mat, chopped strand, woven roving & rubber reinforcements)

OWENS-CORNING FIBERGLAS CORPORATION
EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 5933 Telegraph Road, Los Angeles, CA 90040
477 Forbes Blvd., S. San Francisco, CA 94080
2700 Augustine Dr., Suite 178, Santa Clara, CA 95051
4019 Woodcock Dr., Suite 109, Jacksonville, FL 32207
470 NE 185th Street, N. Miami Beach, FL 33179
4950 W. Kennedy Blvd., Suite 301, Tampa, FL 33609
1155 Hammond Dr., Bldg. C · Suite 3210, Atlanta, GA 30328
2805-B Lincoln Ave., Evansville, IN 47114
2215 Sanders Rd., Northbrook, IL 60062
4410 Executive Blvd., Ft. Wayne, IN 46808
9000 Keystone Crossing, Suite 965, Indianapolis, IN 46240
Corporate Woods, 9300 W. 110th St., Bldg. 55-Suite 200,
Overland Park, KS 66210
10401 L[illegible]n Station Rd., Suite 235, Louisville, KY 40223
25 Braintree Hill Park, Suite 305, Braintree, MA 02184
1055 36th St. S.E., Grand Rapids, MI 49508
2075 W. Big Beaver Rd., Suite 500, Troy, MI 48084
One Appletree Square, Suite 1252, Bloomington, MN 55420
700 White Plains Rd., Scarsdale, NY 10583
2200 Victory Pkwy., Cincinnati, OH 45206
5700 Pearl Rd., Suite 104, Cleveland, OH 44129
997 Old Eagle School Rd., Wayne, PA 19087
Two Maryland Farms, Suite 236, Brentwood, TN 37027
12880 Hillcrest, Suite 100, Dallas, TX 75230
256 North Belt East, Suite 100, Houston, TX 77060
12301 N.E. 10th Place, Bellevue, WA 98005
Mayfair Bank Tower, Suite 150, 2300 N. Mayfair Rd.,
Milwaukee, WI 53226
PLANTS: Huntington, PA, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat, chopped & milled)

REICHHOLD CHEMICALS, INC.
EXECUTIVE OFFICE: 525 N. Broadway, White Plains, NY 10603
REGIONAL SALES: 107 S. Motor Ave , Azusa, CA 91702
814 Commerce Drive, Oak Brook, IL 60521
P.O. Box 7212, Louisville, KY 40207
P.O. Box A, Andover, MA 01810
601-707 Woodward Heights Blvd., Detroit, MI 48220
P.O. Box 11051, Charlotte, NC 29209
8955 Katy Freeway, Suite 102, Houston, TX 77018
2340 Taylor Way, Tacoma, WA 98401
GLASS FIBERS DIVISION
PLANTS: 6230 Irwindale Ave., Box 2148, Irwindale, CA 91706
Cbemglas (roving, chopped & milled)
Fiber Glass Road, Nashville, TN 37210
(roving, woven roving, mat, chopped & milled)

LOCATION OF U.S. MAN-MADE FIBER PRODUCT-PRODUCING PLANTS

STATES & AREA	CELLULOSIC	NONCELLULOSIC						TEXTILE GLASS	GRAND TOTAL
		ACRYL	NYLON	OLEFIN	POLYESTER	OTHER	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				2		1	3		3
RHODE ISLAND				2			2		2
VERMONT			1		1		2		2
TOTAL N.E.			**1**	**6**	**1**	**1**	**9**		**9**
MID-ATLANTIC									
DELAWARE			1		1		2		2
MARYLAND			1	1	1	1	4		4
NEW JERSEY				2			2		2
NEW YORK			2	4	1	1	8	1	9
PENNSYLVANIA	1			1	1	1	3	1	5
TOTAL MID-ATL.	**1**		**4**	**8**	**4**	**3**	**19**	**2**	**22**
PIEDMONT									
N. CAROLINA			3	10	9	1	23	2	25
S. CAROLINA	1	1	8	6	8		23	2	26
VIRGINIA	2	2	6	4	2	3	17		19
WEST VIRGINIA			1		1		2		2
TOTAL PIEDMONT	**3**	**3**	**18**	**20**	**20**	**4**	**65**	**4**	**72**
SOUTH									
ALABAMA	1	1	1	4	1		7		8
FLORIDA		1	1	2			4	1	5
GEORGIA			1	18			19		19
LOUISIANA				4			4		4
MISSISSIPPI				1			1		1
TENNESSEE	3		2	3	4		9	3	15
TEXAS				3			3	2	5
TOTAL SOUTH	**4**	**2**	**5**	**35**	**5**		**47**	**6**	**57**
MID-WEST & WEST									
CALIFORNIA				3			3	1	4
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
MISSOURI				1			1		1
OHIO				1			1	2	3
WASHINGTON				1			1		1
WISCONSIN				1			1		1
TOTAL WEST			**1**	**11**			**12**	**3**	**15**
TOTAL # OF PLANTS	**8**	**5**	**29**	**80**	**30**	**8**	**152**	**15**	**175**
TOTAL # OF STATES	**5**	**4**	**13**	**27**	**11**	**6**	**30**	**9**	**30**

Cellulosic includes rayon, acetate & triacetate; Acryl means acrylic & modacrylic; Nylon includes aramid.

Other noncellulosic includes 1 fluorocarbon, 1 fluoropolymer, 1 polycarbonate, 1 saran, 3 spandex and 1 vinyor..

U.S. IMPORTS, EXPORTS, & BALANCE OF MAN-MADE FIBER MANUFACTURES

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE[a]
1973	465.3	288.2	177.1 I
1974	371.2	390.7	19.5 E
1975	400.4	322.4	78.0 I
1976	479.5	352.2	127.3 I
1977	530.7	367.6	163.1 I
1978	642.6	441.7	200.9 I
1979	525.0	596.6	71.6 E
1980	540.6	771.5	230.9 E
1981	639.1	637.7	1.4 I
1982	698.0	438.5	259.5 I

Source: Cotton and Wool Outlook & Situation, a publication of the U.S. Department of Agriculture.

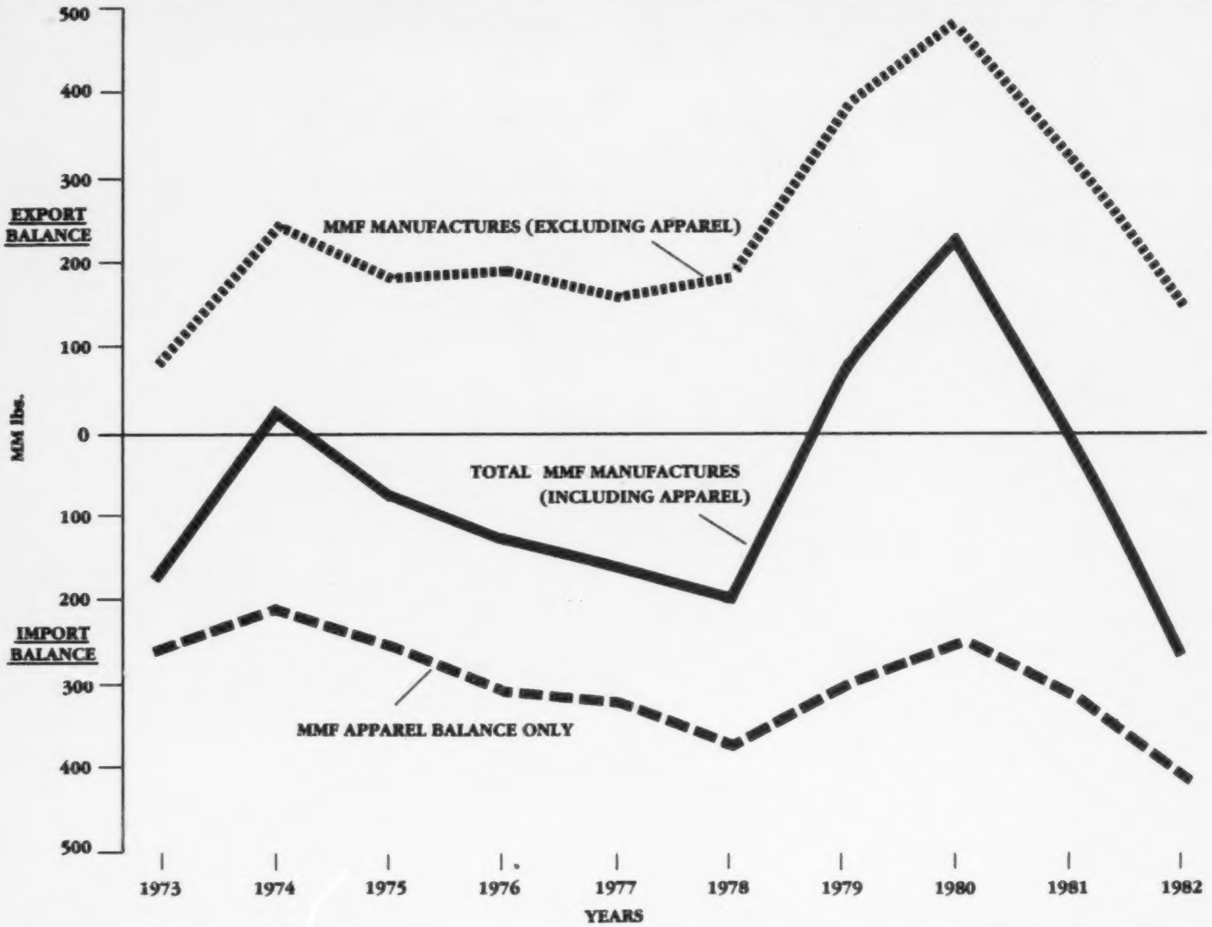
a. I means a net import balance; E is a net export balance.

REVIEW OF U.S. IMPORT/EXPORT BALANCE OF MAN-MADE FIBER MANUFACTURES

As a supplement to the quarterly import/export trade balance table on page 170, it is important to highlight the significant impact of apparel (garment) imports on the U.S. trade of man-made fiber manufactures.

The table opposite summarizes the trade of man-made fiber manufactures for the period 1973-1982. With the apparel imports included, there have been export trade balances for just three years.

U.S. IMPORT & EXPORT BALANCE OF MAN-MADE FIBER MANUFACTURES



However, the impact of apparel imports on the trade of man-made fiber manufactures becomes clear when apparel (garment) imports are removed from the trade data series.

As is exhibited on the table and graph on this page, excluding apparel imports, there would have been major export trade balances in each of the years covered. With the exception of 1973, export trade balances would have exceeded 150 million pounds per year.

U.S. IMPORTS, EXPORTS, & BALANCE OF MAN-MADE FIBER MANUFACTURES (EXCEPT APPAREL)

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE
1973	178.4	263.4	85.0 E
1974	119.2	357.6	238.4 E
1975	111.4	290.6	179.2 E
1976	135.1	317.8	182.7 E
1977	164.6	327.3	162.7 E
1978	217.0	393.1	176.1 E
1979	165.2	536.1	370.9 E
1980	162.0	644.4	482.4 E
1981	202.0	517.0	315.0 E
1982	211.5	363.3	151.8 E

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	1ST Q 1982			2ND Q 1982			3RD Q 1982			4TH Q 1982			1ST Q 1983			2ND Q 1983		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	2.0	7.4	5.4 **E**	2.1	4.5	2.4 **E**	1.6	6.0	4.4 **E**	1.3	4.2	2.9 **E**	2.0	5.1	3.1 **E**	2.0	3.4	1.4 **E**
STAPLE+TOW[b]	3.8	14.7	10.9 **E**	2.7	14.9	12.2 **E**	4.1	17.4	13.3 **E**	2.8	19.9	17.1 **E**	2.3	8.6	6.3 **E**	4.1	18.7	14.6 **E**
WASTE	0.1	1.0	0.9 **E**	0.2	1.3	1.1 **E**	0.1	0.4	0.3 **E**	0	0.5	0.5 **E**	+	0.4	0.4 **E**	0.1	0.2	0.1 **E**
SUBTOTAL ABOVE	**5.9**	**23.1**	**17.2 E**	**5.0**	**20.7**	**15.7 E**	**5.8**	**23.8**	**18.0 E**	**4.1**	**24.6**	**20.5 E**	**4.3**	**14.1**	**9.8 E**	**6.2**	**22.3**	**16.1 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	4.2	109.3	105.1 **E**	4.9	114.8	109.9 **E**	6.9	62.4	55.5 **E**	7.8	59.8	52.0 **E**	9.1	64.4	55.3 **E**	11.2	61.3	50.1 **E**
STAPLE+TOW	9.6	148.6	139.0 **E**	10.7	85.6	74.9 **E**	15.4	87.0	71.6 **E**	15.4	89.8	74.4 **E**	18.8	88.6	69.8 **E**	24.2	88.8	64.6 **E**
WASTE	10.3	28.5	18.2 **E**	10.4	23.9	13.5 **E**	9.3	13.7	4.4 **E**	7.8	20.0	12.2 **E**	9.0	18.0	9.0 **E**	10.8	16.3	5.5 **E**
SUBTOTAL ABOVE	**24.1**	**286.4**	**262.3 E**	**26.0**	**224.3**	**198.3 E**	**31.6**	**163.1**	**131.5 E**	**31.0**	**169.6**	**138.6 E**	**36.9**	**171.0**	**134.1 E**	**46.2**	**166.4**	**120.2 E**
TOTAL FIBER ABOVE[c]	**30.0**	**309.5**	**279.5 E**	**31.0**	**245.0**	**214.0 E**	**37.4**	**186.9**	**149.5 E**	**35.1**	**194.2**	**159.1 E**	**41.2**	**185.1**	**143.9 E**	**52.4**	**188.7**	**136.3 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	1.0	2.5	1.5 **E**	0.3	1.2	0.9 **E**	1.0	1.9	0.9 **E**	0.4	1.1	0.7 **E**	1.4	1.1	0.3 **I**	1.5	1.0	0.5 **I**
SPUN YARNS	6.1	7.6	1.5 **E**	8.7	8.2	0.5 **I**	9.0	6.5	2.5 **I**	9.4	5.9	3.5 **I**	7.8	2	0.6 **I**	10.2	7.6	2.6 **I**
THREAD & CRAFT YARNS	0.6	1.4	0.8 **E**	0.6	1.6	1.0 **E**	0.4	1.0	0.6 **E**	0.7	1.3	0.6 **E**	0.8	1.3	0.5 **E**	0.8	1.4	0.6 **E**
TIRE CORD & FABRIC	0.1	8.6	8.5 **E**	+	7.7	7.7 **E**	0.3	6.2	5.9 **E**	0.7	5.3	4.6 **E**	0.6	4.4	3.8 **E**	0.5	5.2	4.7 **E**
WOVEN FABRIC	21.2	31.3	10.1 **E**	24.6	36.1	11.5 **E**	26.1	31.3	5.2 **E**	21.4	33.9	12.5 **E**	25.1	28.3	3.2 **E**	34.9	29.0	5.9 **I**
KNIT FABRIC	0.6	3.6	3.0 **E**	0.6	3.5	2.9 **E**	0.6	4.2	3.6 **E**	0.5	4.3	3.8 **E**	0.5	3.5	3.0 **E**	0.5	3.5	3.0 **E**
NARROW FABRICS	2.4	6.3	3.9 **E**	3.2	7.5	4.3 **E**	2.5	6.7	4.2 **E**	2.0	6.1	4.1 **E**	3.7	5.1	1.4 **E**	3.2	6.4	3.2 **E**
APPAREL · KNIT	34.2	21.5	81.2 **I**	45.7	21.3	97.6 **I**	65.8	17.9	135.0 **I**	47.4	14.5	97.5 **I**	48.0	17.6	105.2 **I**	64.5	17.0	126.1 **I**
· NOT KNIT	68.5			73.2			87.1			64.6			74.8			78.6		
HOME FURNISHINGS[e]	14.3	17.3	15.8 **E**	17.2	19.8	18.0 **E**	19.0	14.1	8.2 **E**	16.0	14.7	12.0 **E**	23.2	15.7	7.3 **E**	28.7	36.5	22.3 **E**
OTHER		12.8			15.4			13.1			13.3			14.8			14.5	
TOTAL MANUFACTURES	**149.0**	**112.9**	**36.1 I**	**174.1**	**122.3**	**51.8 I**	**211.8**	**102.9**	**108.9 I**	**163.1**	**100.4**	**62.7 I**	**185.9**	**99.0**	**86.9 I**	**223.4**	**122.1**	**101.3 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**179.0**	**422.4**	**243.4 E**	**205.1**	**367.3**	**162.2 E**	**249.2**	**289.8**	**40.6 E**	**198.2**	**294.6**	**96.4 E**	**227.1**	**284.1**	**57.0 E**	**275.8**	**310.8**	**35.0 E**
COTTON MANUFACTURES[f]	**211.5**	**65.4**	**146.1 I**	**221.3**	**73.3**	**148.0 I**	**250.0**	**59.1**	**190.9 I**	**214.4**	**55.6**	**158.8 I**	**273.8**	**56.0**	**217.8 I**	**265.2**	**55.6**	**209.6 I**
WOOL MANUFACTURES[g]	**21.8**	**3.1**	**18.7 I**	**29.6**	**3.5**	**26.1 I**	**37.0**	**2.9**	**34.1 I**	**23.9**	**2.5**	**21.4 I**	**25.0**	**10.8**	**14.2 I**	**35.5**	**13.5**	**22.0 I**

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Outlook & Situation,* a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance; **I** is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man-Made Fiber Above" on page 171 of this issue for exports and page 175 of this issue for imports.

d. Man-made fiber equivalent.

e. These import data do not reflect significant poundages of luggage. On a monthly basis, from May 1982 - June 1983, the poundages are (in millions of pounds): 8.0, 17.9, 17.2, 17.2, 14.0, 12.3, 12.6, 10.0, 12.9, 12.6, 14.5, 12.5, 13.0 & 15.7.

f. Raw cotton equivalent. Data are similar to those on page 39 of the March *Textile Organon*.

g. Raw wool content. The data differ from those on page 39 of the March ***Textile Organon*** to the extent that noils and waste are included here.

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U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982					1983				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	132	72	34	164	402	74	103	16		
OTHER[b]	310.0026	7194	4450	5912	4062	21618	5019	3332	3803		
MONOFILAMENTS	309.0110	2	9	1	3	15	11	4	5		
STRIPS	309.2210	66	5	32	2	105	0	12	5		
SUBTOTAL ABOVE		**7394**	**4536**	**5979**	**4231**	**22140**	**5104**	**3451**	**3829**		
STAPLE+TOW - RAYON	309.4222	13772	14001	16905	18693	63371	7979	17999	8811		
STAPLE - ACETATE	309.4219	919	931	551	1241	3642	593	688	417		
SUBTOTAL ABOVE		**14691**	**14932**	**17456**	**19934**	**67013**	**8572**	**18687**	**9228**		
WASTE, ADVANCED & NOT ADVANCED	309.7400	1007	1262	385	539	3193	361	161	239		
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	310.0008 & .0009	9779	9643	11021	8986	39429	10913	10917	9730		
- HIGH TENACITY[c]	310.0027	13520	12582	10156	12138	48396	14240	14383	12544		
- OTHER	310.0029	3785	3340	1801	2863	11789	3587	3825	3932		
POLYESTER - TEXTURED	310.0010	63471	71864	26029	21571	182935	22202	18265	12050		
- HIGH TENACITY[c]	310.0032	5134	3747	2726	2145	13752	3369	3541	3191		
- OTHER[d]	310.0034	2902	4506	1611	1160	10179	1123	885	728		
OTHER - TEXTURED	310.0014	3235	2847	4117	5453	15652	3147	3370	3445		
- OLEFIN	310.0040	224	447	166	287	1124	246	161	168		
- OTHER	310.0044	1371	1327	508	685	3891	715	1407	725		
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	1142	1119	695	1468	4424	797	378	439		
POLYESTER[e]	309.0140	1919	700	1065	558	4242	540	769	871		
OTHER	309.0170	2085	2025	1880	2195	8185	2501	2612	2146		
STRIPS	309.2220 & .2270	799	634	620	313	2366	1047	802	575		
SUBTOTAL ABOVE		**109366**	**114781**	**62395**	**59822**	**346364**	**64427**	**61315**	**50544**		
STAPLE - NYLON	309.4240	4018	3694	3459	4203	5374	3438	2806	3115		
- POLYESTER	309.4242	90356	30164	32374	36690	189584	30316	33213	13408		
- ACRYLIC	309.4245	32810	31987	31585	30235	126617	32262	31589	25346		
- OLEFIN	309.4246	522	948	2668	3478	7616	845	1033	961		
- OTHER	309.4247	4395	4436	2813	3766	15410	3446	3409	2050		
GROUPED FILAMENTS											
NYLON	309.3220	1539	1313	1174	940	4966	691	1136	822		
POLYESTER[d]	309.3240	9528	6684	6780	5141	28133	9453	6876	5731		
ACRYLIC	309.3250 & .3255	5472	6363	6168	5319	23322	8204	8701	8994		
SUBTOTAL ABOVE		**148640**	**85589**	**87021**	**89772**	**411022**	**88655**	**88763**	**60427**		
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	3542	2759	1291	4214	11806	1737	2649	3424		
POLYESTER	309.7630	17204	14920	8281	10498	50903	11042	10247	8456		
ACRYLIC	309.7640	574	651	228	260	1713	276	404	600		
OTHER	309.7660	7146	5564	3939	5005	21654	4930	3048	4151		
SUBTOTAL ABOVE		**28466**	**23894**	**13739**	**19977**	**86076**	**17985**	**16348**	**16631**		
TOTAL MAN-MADE FIBER ABOVE		**309564**	**244994**	**186975**	**194275**	**935808**	**185104**	**188725**	**140898**		
TEXTILE GLASS FIBER	309.2700 & .9700	11318	11981	11246	9169	43714	10333	8804	9860		
GRAND TOTAL ABOVE		**320882**	**256975**	**198221**	**203444**	**979522**	**195437**	**197529**	**150758**		

SOURCE: U.S. Census Bureau Report EM546.

[a] Includes thrown, singles and plied yarn.

[b] Includes an undetermined amount of rayon tire cord and cord fabric.

[c] Includes an undetermined amount of noncellulosic tire cord and cord fabric.

[d] Includes zero twist yarns.

[e] These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS 1979	1980	1981	1982	6 MOS 1983	THOUSAND DOLLARS 1979	1980	1981	1982	6 MOS 1983
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	3456	2585	357	402	177	4564	3574	594	655	344
OTHER[b]	310.0026	26770	24130	23914	21618	8351	24886	28135	27329	24490	8657
MONOFILAMENTS	309.0110	521	149	90	15	15	645	343	212	90	86
STRIPS	309.2210	43	66	346	105	12	58	61	273	96	13
SUBTOTAL ABOVE		**30790**	**26930**	**24707**	**22140**	**8555**	**30153**	**32113**	**28408**	**25331**	**9100**
STAPLE+TOW · RAYON	309.4222	96844	64817	55156	63371	25978	55706	44031	39032	41063	16483
STAPLE · ACETATE	309.4219	9663	6255	7004	3642	1281	7433	6145	4323	3277	1492
SUBTOTAL ABOVE		**106507**	**71072**	**62160**	**67013**	**27259**	**63139**	**50176**	**43355**	**44340**	**17975**
WASTE, ADVANCED & NOT ADVANCED	309.7400	9551	6090	2799	3193	522	3684	2872	1358	1397	195
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON · TEXTURED	310.0008 & .0009	44797	53773	69600	39429	21830	63662	72940	107096	62179	31074
· HIGH TENACITY[c]	310.0027	46287	57804	57400	48396	28623	43503	63637	72569	57259	31306
· OTHER	310.0029	21223	24967	19424	11789	7412	31528	42082	37980	23987	15992
POLYESTER · TEXTURED	310.0010	85579	114910	236152	182935	40467	105864	141835	286022	227816	49304
· HIGH TENACITY[c]	310.0032	22407	23202	23440	13752	6910	24507	27660	31474	17846	8825
· OTHER[d]	310.0034	8616	7493	11759	10179	2008	9391	8793	13226	10221	3428
OTHER · TEXTURED	310.0014	9993	19005	11751	15652	6517	12163	23056	15085	19147	8004
· OLEFIN	310.0040	1990	2520	2603	1124	407	1998	2999	3312	1643	601
· OTHER	310.0044	5050	5265	5231	3891	2122	17181	18734	21738	19335	13280
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	14916	15307	7786	4424	1175	30001	30834	20698	14193	4914
POLYESTER[e]	309.0140	21349	18985	7163	4242	1309	24923	21987	11903	8662	3131
OTHER	309.0170	5927	8665	6560	8185	5113	18693	28813	23244	28295	9915
STRIPS	309.2220 & .2270	2688	3427	4555	2366	1849	4566	5181	6635	4642	2982
SUBTOTAL ABOVE		**290822**	**355323**	**463424**	**346364**	**125742**	**387980**	**488551**	**650982**	**495225**	**182756**
STAPLE · NYLON	309.4240	33857	29306	27556	15374	6244	29779	30141	33825	19751	8291
· POLYESTER	309.4242	307246	447290	522681	189584	63529	165284	285737	361110	134073	36243
· ACRYLIC	309.4245	181112	145172	156661	126617	63851	109404	103264	114359	91350	43479
· OLEFIN	309.4246	6910	3275	1758	7616	1878	6304	2371	1491	3663	1211
· OTHER	309.4247	16749	17751	18033	15410	6855	19391	25654	31381	29336	14449
GROUPED FILAMENTS											
NYLON	309.3220	10614	7282	4561	4966	1827	13816	11747	9625	11281	4555
POLYESTER[d]	309.3240	78566	54880	26777	28133	16329	69067	50247	28444	28075	14824
ACRYLIC	309.3250 & .3255	23281	27517	32655	23322	16905	18389	20408	25940	19341	14277
SUBTOTAL ABOVE		**658335**	**732473**	**790682**	**411022**	**177418**	**431434**	**529569**	**606175**	**336870**	**137329**
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	18034	14520	13938	11806	4386	7514	9050	8903	7648	2403
POLYESTER	309.7630	77424	61153	54117	50903	21289	32029	25592	20814	21091	8757
ACRYLIC	309.7640	4807	2352	4795	1713	680	1223	801	1552	610	307
OTHER	309.7660	37478	38395	34415	21654	7978	11950	13965	13433	10206	3416
SUBTOTAL ABOVE		**137743**	**116420**	**107265**	**86076**	**34333**	**52716**	**49408**	**44702**	**39555**	**14883**
TOTAL MAN-MADE FIBER ABOVE		**1233748**	**1308308**	**1451037**	**935808**	**373829**	**969106**	**1152689**	**1374980**	**942718**	**362238**
TEXTILE GLASS FIBER	309.2700 & .9700	47494	54407	38934	43714	19137	38867	54269	41642	39861	17568
GRAND TOTAL ABOVE		**1281242**	**1362715**	**1489971**	**979522**	**392966**	**1007973**	**1206958**	**1416622**	**982579**	**379806**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and tire cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1979	1980	1981	1982	6 MOS 1983	1979	1980	1981	1982	6 MOS 1983
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	2695	912	309	561	256	3903	1668	505	857	290
OTHER	310.0130 & .0230[a]	10495	7380	10373	6437	3620	13111	12222	15748	10381	5731
MONOFILAMENTS	309.0310 & .0610	--	0	4	2	+	1	0	32	10	1
STRIPS, $1/LB & UNDER	309.2000 *	81	10	33	27	133	52	16	28	15	101
SUBTOTAL ABOVE		**13271**	**8302**	**10719**	**7027**	**4009**	**17067**	**13906**	**16313**	**11263**	**6123**
STAPLE	309.4320 & .4325	13949	7998	14626	11939	5996	8042	5653	10348	8383	3807
GROUPED FILAMENTS	309.3010 & .3110	2580	2308	2137	1469	382	3677	5023	2211	2342	562
SUBTOTAL ABOVE		**16529**	**10306**	**16763**	**13408**	**6378**	**11719**	**10676**	**12559**	**10725**	**4369**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	803	339	519	395	177	314	146	291	170	96
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON	310.0109 & .0209	953	3154	3827	4744	2105	1128	4089	7103	8157	3817
- POLYESTER	310.0110 & .0210	1083	337	768	510	392	1589	780	939	563	550
- OTHER	310.0114 & .0214	153	195	492	4340	3942	360	373	895	5580	4532
OTHER - NYLON	310.0149 & .0249	6105	3572	3976	5533	5719	8310	5687	6147	7941	7052
- POLYESTER	310.0150 & .0250	7579	6672	5441	5263	5567	10230	9906	7082	7584	7186
- OTHER	310.0170 & .0270[b]	1346	1417	1595	1639	1501	2545	3149	3151	4854	3849
MONOFILAMENTS	309.0200 & .0330[c]	2365	4038	2615	1497	767	6967	10243	6515	5053	2153
STRIPS, OVER $1/LB	309.2100 & .2500 *	420	229	220	306	255	3267	2427	1547	2069	1689
SUBTOTAL ABOVE		**20004**	**19614**	**18934**	**23832**	**20248**	**34396**	**36654**	**33379**	**41801**	**30828**
STAPLE - NYLON	309.4338	2364	1698	23576	11503	13207	2455	2365	25067	10488	10785
- POLYESTER	309.4342	3087	1344	6649	7257	4960	2020	1184	4289	4791	3110
- ACRYLIC	309.4345	13047	13296	10465	7851	6248	9925	11509	10179	6777	5507
- OLEFIN	309.4346	57	144	1134	627	619	54	146	638	638	457
- OTHER	309.4355	15766	14574	10666	10853	4545	8998	9779	7798	6744	3542
GROUPED FILAMENTS											
NYLON	309.3030 & .3130	719	1022	2175	7620	9795	924	1364	2625	11385	13978
POLYESTER	309.3040 & .3140	44	129	336	56	346	36	137	541	160	410
ACRYLIC	309.3050 & .3150	2910	2608	3434	4438	2899	3694	4331	7181	8313	5563
OTHER	309.3065 & .3165	1325	753	2082	882	422	1348	1126	2965	1247	476
SUBTOTAL ABOVE		**39319**	**35568**	**60517**	**51087**	**43041**	**29454**	**31941**	**61283**	**50543**	**43828**
WASTE, NOT ADVANCED - NYLON	309.6625	12843	11658	25255	22190	10835	2811	2899	8358	8275	4479
- POLYESTER	309.6630	3333	5936	18111	11187	5162	470	1004	3640	1944	922
- ACRYLIC	309.6645	2395	2358	2872	932	229	587	726	999	274	58
- OTHER	309.6660	1568	965	2969	2530	1852	461	305	844	689	722
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	3	4	85	55	98	6	3	54	34	42
OTHER WASTE, ADVANCED	309.7525 - .7555	984	625	536	851	1564	313	360	366	471	699
SUBTOTAL ABOVE		**21126**	**21546**	**49828**	**37745**	**19740**	**4648**	**5297**	**14261**	**11687**	**6922**
TOTAL MAN-MADE FIBER ABOVE		**111052**	**95675**	**157280**	**133494**	**93593**	**97598**	**98620**	**138086**	**126189**	**92166**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1106	2	0	25	2	+	16	0	41	10	1
- NONCELLULOSIC	310.1015[d] & .1109[e]	2196	1378	3385	5315	3587	2955	2141	5774	7806	5141
OTHER - CELLULOSIC	310.1030 & .1135[f]	25	97	21	146	51	56	334	108	240	132
- NONCELLULOSIC	310.1050 & .1070[g]	300	389	373	979	1294	949	1347	763	1789	2031
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	585	508	659	325	461	1126	1225	1522	756	930
- OTHER	310.4015 & .4027[i]	20300	19387	18599	22056	14794	30821	33114	32603	40264	24593
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	3748	2320	4117	3107	2197	11607	8196	12852	9649	4894
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	2561	2260	2797	2277	1534	8347	7793	10681	9170	5574
SLIVER, TOPS & ROVING	309.9000	6453	2708	3622	2626	2814	3584	2034	2801	2977	2944
TEXTILE GLASS FIBER	309.2800 & .2900[j]	10353	7350	18212	14100	10025	6124	6453	12914	10114	6588
GRAND TOTAL ABOVE		**157575**	**132072**	**209090**	**184427**	**130350**	**163183**	**161257**	**218145**	**208964**	**144994**

SOURCE: U.S.Census Bureau Report IM146.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1983									9 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS											
BRAZIL	0	30	30	30	0	0	59	29	29	207	109
CANADA	208	341	88	121	0	92	115	79	224	1268	355
MEXICO	73	52	16	92	39	229	117	78	160	856	875
AUSTRIA	41	289	219	138	249	316	42	23	0	1317	1457
GERMANY, FED. REP. OF	93	103	134	79	141	65	153	442	430	1640	1677
NETHERLANDS	11	71	43	0	96	58	21	34	77	411	373
UNITED KINGDOM	0	10	0	25	28	87	16	101	59	326	0
JAPAN	18	6	60	3	50	15	70	27	115	364	263
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4	24	5	46	195	541
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**6584**	**5650**
CELLULOSIC STAPLE+TOW											
CANADA	442	346	225	425	556	444	380	550	495	3863	1692
AUSTRIA	0	158	95	0	76	531	76	153	210	1299	2961
FRANCE	0	0	56	0	18	1	0	3	0	78	87
SWEDEN	0	187	213	307	420	505	321	522	209	2684	3629
UNITED KINGDOM	2	0	64	38	41	76	0	66	58	345	565
JAPAN	134	174	151	178	199	165	157	48	148	1354	1172
TAIWAN	5	22	0	0	69	0	0	0	0	96	12
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36	1	0	40	96	572
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1342**	**1160**	**9815**	**10690**
NONCELLULOSIC YARN, MONOFIL & STRIPS											
CANADA	752	426	734	662	705	829	678	680	666	6132	3464
MEXICO	17	289	421	257	439	243	304	307	989	3266	164
FRANCE	157	210	165	120	98	190	56	128	160	1284	1029
GERMANY, FED. REP. OF	636	574	397	562	547	584	502	319	626	4747	4683
ITALY	88	11	37	106	401	255	358	53	470	1779	358
NETHERLANDS	1	34	11	81	6	17	48	3	17	218	51
SPAIN	153	92	31	127	32	286	248	34	134	1137	1
SWITZERLAND	47	122	74	96	59	106	40	67	15	626	120
UNITED KINGDOM	36	444	173	351	457	99	291	184	84	2119	327
ISRAEL	64	298	74	117	26	111	108	16	86	900	7
JAPAN	810	902	590	888	1234	687	1182	844	538	7675	4752
REP. OF KOREA	6	7	3	84	104	52	173	52	71	552	20
TAIWAN	13	49	25	1	3	58	18	29	19	215	45
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44	106	216	414	931	977
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**31581**	**15998**
NONCELLULOSIC STAPLE+TOW											
CANADA	278	400	491	274	838	1183	775	464	683	5386	4097
COSTA RICA	0	0	0	49	42	42	27	91	305	556	0
MEXICO	1197	475	437	294	810	995	810	778	1426	7222	1234
BELGIUM	6	72	2	34	2	36	17	19	76	264	105
FRANCE	1250	340	687	779	659	665	409	582	300	5671	4626
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052	1774	862	862	12493	6057
ITALY	421	1918	608	2105	325	666	348	478	410	7279	3317
NETHERLANDS	0	38	49	93	52	28	75	77	143	555	350
SWITZERLAND	0	0	0	55	2	9	42	38	22	168	76
UNITED KINGDOM	233	736	816	1392	2099	1824	1429	1724	1143	11396	1904
AUSTRALIA	0	91	0	0	0	0	0	0	0	91	29
ISRAEL	0	55	57	0	0	0	0	0	0	112	60
JAPAN	933	513	1174	1083	779	1282	1353	1171	1560	9848	5292
REP. OF KOREA	0	40	0	40	0	95	40	40	41	296	33
TAIWAN	381	449	524	346	38	158	74	184	185	2339	7396
ALL OTHER COUNTRIES[d]	0	0	7	91	29	75	354	154	307	1017	1087
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**64693**	**35663**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 49, Italy 19, Rep. of Korea 80, Sweden 9, Taiwan 7 and Yugoslavia 22.

b. Australia 1, Fed. Rep. of Germany 57, German Dem. Rep. 1, Mexico 4 and Romania 33.

c. Australia 12, Austria 35, Belgium 14, Denmark 2, Costa Rica 15, Iceland 16, Ireland 45, Portugal 45, Romania 83, South Africa 576, Sweden 53 and Thailand 35.

d. Austria 28, Denmark 38, Finland 1, Ireland 39, Norway 265, Portugal 11, Romania 451, South Africa 89, Spain 7, Sweden 12, Turkey 41 and Yugoslavia 35.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983									9 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	1983	1982
CELLULOSIC FIBERS												
YARN - SINGLES												
TEXTURED	310.0106 & .0206	129	72	5	0	+	50	0	0	0	256	153
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770	576	734	1075	6005	5489
MONOFILAMENTS	309.0310 & .0610	0	0	0	+	0	0	24	0	0	24	2
STRIPS, $1/LB & UNDER	309.2000 *	0	12	3	34	38	46	17	84	65	299	6
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**.618**	**866**	**617**	**818**	**1140**	**6584**	**5650**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679	930	1236	1090	9252	9597
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79	5	107	70	564	1093
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**	**1160**	**9816**	**10690**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0	0	38	0	215	359
NONCELLULOSIC FIBERS												
YARN - SINGLES												
TEXTURED - NYLON	310.0109 & .0209	284	338	271	266	445	501	329	242	387	3063	2850
- POLYESTER	310.0110 & .0210	79	40	1	20	127	125	73	144	284	893	416
- OTHER	310.0114 & .0214	853	364	674	602	655	794	726	622	714	6004	2325
OTHER - NYLON	310.0149 & .0249	305	1337	744	1016	1383	934	1279	795	1328	9121	3431
POLYESTER	310.0150 & .0250	962	998	637	1023	1029	918	1334	874	1207	8982	4003
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122	141	138	93	1873	1487
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73	119	156	76	229	1228	1230
STRIPS, OVER $1/LB	309.2100 & .2500 *	52	15	33	48	59	48	74	41	47	417	256
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**31581**	**15998**
STAPLE - NYLON	309.4338	1176	2537	1854	3072	2050	2518	2041	2320	1688	19256	6741
POLYESTER	309.4342	1522	361	934	689	621	833	1064	924	2005	8953	5406
- ACRYLIC	309.4345	643	784	879	1040	1133	1769	1682	941	1339	10210	5038
- OLEFIN	309.4346	106	3	203	133	92	82	53	26	95	793	381
- OTHER	309.4355	796	660	929	978	342	840	487	405	490	5927	9208
GROUPED FILAMENTS												
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526	1544	1382	1111	13832	4756
POLYESTER	309.3040 & .3140	+	5	6	175	101	59	30	94	317	787	28
ACRYLIC	309.3050 & .3150	324	881	416	570	311	397	613	463	384	4359	3426
OTHER	309.3065 & .3165	16	74	70	82	94	86	13	107	34	576	679
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**64693**	**35663**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344	2092	1917	2281	2004	2395	2727	2584	18541	17891
POLYESTER	309.6630	572	1339	909	809	677	856	1324	1151	1371	9008	8518
- ACRYLIC	309.6645	45	130	0	54	0	0	0	0	40	269	894
- OTHER	309.6660	266	129	118	443	491	405	250	203	156	2461	2286
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26	31	41	0	31	31	160	21
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399	408	56	259	0	1	+	1565	398
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**	**3565**	**3969**	**4113**	**4182**	**32004**	**30008**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**	**17160**	**15906**	**18234**	**144893**	**98368**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD												
YARN - PLIED												
TEXTURED - CELLULOSIC	310.1106	0	0	0	0	0	+	0	1	0	1	2
- NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416	575	777	665	641	881	5774	3236
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	. 0	3	0	2	5	1	5	8	65	136
- NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	102	129	160	214	1797	569
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163	54	172	73	760	215
- OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888	3184	2165	2563	22706	16477
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193	325	329	417	558	164	120	134	2615	2303
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257	218	235	326	85	185	122	1926	1638
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534	530	413	189	3946	2205
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657	1264	939	1987	1378	14329	10711
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**	**22911**	**21755**	**23796**	**198812**	**135860**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.0**	**18.0**			**188.4**	**170.6**
NYLON[e] · INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	32.1			258.0	267.9
· LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	3.1	3.2			28.1	24.4
· CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	66.8			623.2	485.0
· TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	31.5	32.0			317.0	275.4
POLYESTER · INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	25.9			255.7	242.3
· LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	2.4			21.6	18.4
· TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	83.3			841.4	781.4
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	64.1	66.7	57.2			600.4	494.3
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**310.2**	**316.8**	**302.9**			**2945.4**	**2589.1**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**30.9**			**312.3**	**297.8**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	79.5			765.2	571.1
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	52.6			551.4	530.9
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	184.3			1824.7	1615.8
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	18.8			152.9	120.8
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**335.2**			**3294.2**	**2838.6**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**15.3**			**15.3**	**11.4**
NYLON[e] · INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	23.1			23.1	33.8
· LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	4.8			4.8	3.8
· CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	49.0			49.0	57.1
· TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3			39.3	39.2
POLYESTER · INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	20.4			20.4	26.5
· LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.6			2.6	2.3
· TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	85.6			85.6	77.9
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	55.4	56.3			56.3	57.6
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**272.6**	**281.1**			**281.1**	**298.2**
STAPLE+TOW+FIBERFILL														
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**23.4**			**23.4**	**33.7**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	60.3			60.3	60.3
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	63.1			63.1	70.8
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	176.4			176.4	174.3
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.8			16.8	20.3
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**316.6**			**316.6**	**325.7**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	12.8	13.0				110.7	92.3
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.6	1.2				8.1	7.7
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.4	14.2				118.8	100.0
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	262.8	241.7				2099.8	1861.3

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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Textile Organon

Vol 54, No. 11 · December 1983

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MONTHLY REVIEW

Highlights

Third Quarter Domestic Shipments of Filament Yarn Fell to 847.7 Million Pounds . . . see page 186.

Third Quarter Production of Staple+Tow Rose to 1,032.8 Million Pounds . . . see page 187.

Six-Month Selected U.S. Exports By Country of Destination . . . see page 190.

Textile Organon Special Feature: World Natural Fiber Review . . . begins on page 180.

Shipments of polyester textile yarn+monofilaments rose in November to the highest level since April, while shipments of industrial yarn rose in November.

Nylon yarn shipments to the carpet trades rose in November, while shipments of nylon industrial yarn rose to the highest level of the year.

Although shipments of olefin yarn+monofilaments fell for the second consecutive month, for the year to date these shipments rose to nearly 20% above the corresponding January-November period of 1982.

Shipments of polyester staple+tow rose in November, but shipments of nylon staple+tow fell for the third consecutive month. Acrylic+modacrylic staple+tow shipments increased marginally in November, whereas shipments of olefin+vinyon staple+tow fell after a record high of 18.8 million pounds in October of this year.

TOTAL SHIPMENTS
MILLION POUNDS & *Percent*

ITEM		1983 NOV	1983 OCT	%[a]	1982 NOV	%[b]	YEAR TO DATE 1983	YEAR TO DATE 1982	%[c]
MAN-MADE FIBER DATA									
YARN+MONOFILAMENTS									
ACETATE		**19.5**	**18.0**	*+8.3*	**14.8**	*+31.7*	**207.9**	**185.4**	*+12.1*
NYLON[d]	INDUSTRIAL	32.7	32.1	*+1.9*	31.1	*+5.1*	290.7	299.0	*-2.8*
	LOW DENIER INDUSTRIAL	3.2	3.2	--	2.5	*+28.0*	31.3	26.9	*+16.3*
	CARPET	69.5	66.8	*+4.0*	50.3	*+38.2*	692.7	535.3	*+29.4*
	TEXTILE	33.5	32.0	*+4.7*	29.8	*+12.4*	350.5	305.2	*+14.8*
POLYESTER	INDUSTRIAL	27.1	25.9	*+4.6*	22.0	*+23.2*	282.8	264.3	*+7.0*
	LOW DENIER INDUSTRIAL	2.3	2.4	*-4.2*	2.1	*+9.5*	23.9	20.5	*+16.6*
	TEXTILE	92.9	83.3	*+11.5*	77.7	*+19.6*	934.3	859.1	*+8.7*
OLEFIN		53.0	57.2	*-7.3*	47.3	*+12.0*	648.7	541.6	*+19.8*
TOTAL NONCELLULOSIC ABOVE		**314.2**	**302.9**	*+3.7*	**262.8**	*+19.5*	**3254.9**	**2851.9**	*+14.1*
STAPLE+TOW+FIBERFILL									
RAYON		**32.8**	**30.9**	*+6.1*	**31.9**	*+2.8*	**345.1**	**329.7**	*+4.7*
NYLON[d]		77.2	79.5	*-2.9*	62.3	*+23.9*	842.4	633.4	*+33.0*
ACRYLIC+MODACRYLIC		52.7	52.6	*+0.2*	53.3	*-1.1*	604.1	584.2	*+3.4*
POLYESTER		186.1	184.3	*+1.0*	171.1	*+8.8*	2010.8	1786.9	*+12.5*
OLEFIN+VINYON		17.2	18.8	*-8.5*	12.2	*+41.0*	170.1	133.0	*+27.9*
TOTAL NONCELLULOSIC ABOVE		**333.2**	**335.2**	*-0.6*	**298.9**	*+11.5*	**3627.4**	**3137.5**	*+15.6*

-- means no change.
a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. 1983 data for Nylon exclude Aramid, but Aramid is included in 1982.
Also see footnotes on last page of this issue.

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Textile Organon

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NONCELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

437 402

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLU-LOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]			OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON	TOTAL	
	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO[b]	FILM[b]								
			LBS	DEN		LBS	DEN											
NOV 1970[d]	480	428	569	*NA*	294	316	*NA*	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971[d]	463	531	522	*NA*	337	559	*NA*	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972[d]	469	626	559	*NA*	364	892	*NA*	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973[d]	466	707	534	*NA*	385	1118	*NA*	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	*NA*	403	1351	*NA*	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975[d]	503	786	553	*NA*	391	1576	*NA*	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979[d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980[d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981[d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982[d]	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983[d]	440	950	494	*52*	337	1170	*122*	240	375	484	30	4520	1017	826	2754	280	4877	9397
MAY 1984[e]	440	951	496	*52*	342	1175	*121*	255	378	485	30	4552	1031	807	2865	293	4996	9548
NOV 1984[e]	440	951	501	*52*	342	1175	*121*	270	379	485	30	4573	1076	809	2865	320	5070	9643
MAY 1985[e]	440	976	511	*52*	347	1180	*121*	282	380	491	30	4637	1097	811	2887	323	5118	9755
NOV 1985[e]	440	976	513	*52*	385	1183	*121*	282	382	491	30	4682	1124	813	2887	323	5147	9829

Note: As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.

NA means not available.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets; **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain & dates as of November 1983.

U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

PERIOD	CELLULOSIC FIBERS								NONCELLULOSIC FIBERS[a]			TEXTILE GLASS TOTAL[c]	GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW			TOTAL							
		ACETATE[b]													
	RAYON	LBS	*DENIER*	TOTAL	RAYON	ACE-TATE[b]	TOTAL		YARN +MONO	STAPLE +TOW	TOTAL		YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	867	4967	4598	9565
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
1982	33	195		228	355	1	356	584	3057	3403	6460	899	4184	3759	7943
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	*NA*	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	*NA*	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	*NA*	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	*NA*	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	*NA*	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	*NA*	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	*NA*	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	*89*	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	*87*	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	*89*	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	*88*	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	*95*	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
NOV 1982[e]	63	318	*96*	381	510	4	514	895	4583	4781	9364	1718	6682	5295	11977
NOV 1983[e]	63	268	*95*	331	510	4	514	845	4520	4877	9397	1618	6469	5391	11860
MAY 1984[f]	63	268	*95*	331	510	4	514	845	4552	4996	9548	1753	6636	5510	12146
NOV 1984[f]	63	268	*95*	331	510	4	514	845	4573	5070	9643	1751	6655	5584	12239
MAY 1985[f]	63	268	*95*	331	510	4	514	845	4637	5118	9755	1758	6726	5632	12358
NOV 1985[f]	63	268	*95*	331	510	4	514	845	4682	5147	9829	1760	6773	5661	12434

a. Included are those listed in the November *Organon* issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Textile glass fiber, all types.

d. Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of November 1983.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the page 178 table cover the man-made fibers in all their primary forms, i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn & strand, staple yarn & sliver, roving & cake, chopped & milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The textile glass data are included with the filament yarn totals. The "capacity" to produce waste is ***not*** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to ***current and planned*** capacity. ***They are not to be interpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect ***potential,*** rather than ***operating,*** capacity.

U.S. MAN-MADE FIBER PRODUCING CAPACITY

In November, the U.S. man-made fiber producing industry had the capacity to produce 11,860 million pounds of fiber per year. This was a decrease of 1% from the capacity in place as of November 1982. However, capacity is planned to increase 5% by November 1985 to 12,434 million pounds.

Cellulosic fiber capacity dropped to 845 million pounds, 5½% below the November 1982 level of 895 million pounds. The current capacity of 845 million pounds is planned to remain at that level through November 1985.

Noncellulosic fiber capacity (excluding textile glass fiber) is slated for an increase of 4½%, or 432 million pounds, over the next two years.

Textile
Organon

SPECIAL FEATURE

World Natural Fiber Review

For the season beginning August 1, 1982, world production of raw cotton fell to 67,744 million bales, a 4% decline from the 70,548 million bales produced during the 1981 season.

However, even in the face of a worldwide decline in raw cotton production, the People's Republic of China increased output to a record 16,541 million bales in 1982, a 21% increase over the seasonal 1981 level of 13,653 million bales. This record was nearly 80% higher than the seasonal 1970 level of 9,200 million bales.

The United States recorded a decline in production during the 1982 season of nearly 24% to 11,963 million bales.

In 1982, world production of raw wool (greasy basis) fell marginally to 6,358 million pounds, down 0.2% from the seasonal 1981 level of 6,371 million pounds.

Australia recorded a decline of 2½% for the 1982 season to 1,545 million pounds, while New Zealand increased production 2½% to 818 million pounds.

Eastern Europe and the People's Republic of China increased production to 1,814 million pounds, ½% above the seasonal 1981 level of 1,806 million pounds.

Production of raw wool in the United States fell in seasonal 1982 to 106 million pounds, 5½% below the 112 million pounds produced during the 1981 season.

WORLD PRODUCTION, CONSUMPTION, EXPORT & CARRYOVER OF RAW COTTON

MILLION BALES[a] & *Percent*

SEASON BEGINNING AUGUST 1	PRODUCTION[b]						CONSUMPTION[c]						EXPORT[d]						CARRYOVER[e]					
	TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954[f]	38.4	*100*	14.0	*36*	24.4	*64*	37.2	*100*	9.3	*25*	27.9	*75*	12.4	*100*	4.0	*32*	8.4	*68*	18.1	*100*	7.6	*42*	10.5	*58*
1955-1959[f]	43.7	*100*	12.9	*30*	30.8	*70*	44.2	*100*	8.7	*20*	35.5	*80*	14.7	*100*	5.1	*35*	9.6	*65*	22.4	*100*	12.0	*54*	10.4	*46*
1960-1964[f]	49.2	*100*	14.9	*30*	34.3	*70*	47.2	*100*	8.7	*18*	38.5	*82*	16.6	*100*	4.9	*30*	11.7	*70*	23.5	*100*	12.3	*52*	11.2	*48*
1965-1969[f]	52.7	*100*	10.6	*20*	42.1	*80*	54.0	*100*	8.8	*16*	45.2	*84*	17.4	*100*	3.6	*21*	13.8	*79*	27.0	*100*	11.3	*42*	15.7	*58*
1970-1974[f]	63.2	*100*	11.9	*19*	51.3	*81*	59.2	*100*	7.5	*13*	51.7	*87*	18.9	*100*	4.5	*24*	14.4	*76*	23.0	*100*	4.3	*19*	18.7	*81*
1975-1979[f]	60.4	*100*	11.9	*20*	48.5	*80*	62.5	*100*	6.7	*11*	55.8	*89*	19.5	*100*	5.8	*30*	13.7	*70*	25.0	*100*	4.3	*17*	20.7	*83*
1970	54.4	*100*	10.3	*19*	44.1	*81*	56.2	*100*	8.1	*14*	48.1	*86*	17.8	*100*	3.9	*22*	13.9	*78*	21.8	*100*	5.8	*27*	16.0	*73*
1971	59.8	*100*	10.3	*17*	49.5	*83*	58.5	*100*	8.0	*14*	50.5	*86*	18.9	*100*	3.4	*18*	15.5	*82*	20.9	*100*	4.3	*21*	16.6	*79*
1972	63.2	*100*	13.9	*22*	49.3	*78*	60.4	*100*	7.8	*13*	52.6	*87*	21.2	*100*	5.3	*25*	15.9	*75*	21.9	*100*	3.3	*15*	18.6	*85*
1973	63.7	*100*	13.3	*21*	50.4	*79*	62.2	*100*	7.5	*12*	54.7	*88*	19.4	*100*	6.1	*31*	13.3	*69*	24.5	*100*	4.1	*17*	20.4	*83*
1974	64.7	*100*	11.5	*18*	53.2	*82*	58.5	*100*	5.9	*10*	52.6	*90*	17.2	*100*	3.9	*23*	13.3	*77*	25.8	*100*	3.9	*15*	21.9	*85*
1975	54.4	*100*	8.5	*16*	45.9	*84*	61.3	*100*	7.3	*12*	54.0	*88*	18.7	*100*	3.3	*18*	15.4	*82*	31.7	*100*	5.6	*18*	26.1	*82*
1976	57.6	*100*	10.7	*19*	46.9	*81*	60.8	*100*	6.7	*11*	54.1	*89*	17.5	*100*	4.8	*27*	12.7	*73*	24.7	*100*	3.7	*15*	21.0	*85*
1977	64.3	*100*	14.5	*23*	49.8	*77*	60.9	*100*	6.5	*11*	54.4	*89*	18.7	*100*	5.5	*29*	13.2	*71*	21.4	*100*	3.0	*14*	18.4	*86*
1978	59.5	*100*	10.9	*18*	48.6	*82*	63.0	*100*	6.4	*10*	56.6	*90*	19.6	*100*	6.2	*32*	13.4	*68*	26.2	*100*	5.3	*20*	20.9	*80*
1979	64.9	*100*	14.6	*23*	50.3	*77*	65.2	*100*	6.5	*10*	58.7	*90*	23.4	*100*	9.3	*40*	14.1	*60*	23.5	*100*	4.1	*18*	19.4	*82*
1980	64.5	*100*	11.1	*17*	53.4	*83*	66.0	*100*	5.9	*9*	60.1	*91*	19.8	*100*	5.9	*30*	13.9	*70*	23.1	*100*	3.0	*13*	20.1	*87*
1981	70.5	*100*	15.6	*22*	54.9	*78*	65.3	*100*	5.3	*8*	60.0	*92*	20.7	*100*	6.6	*32*	14.1	*68*	21.4	*100*	2.7	*13*	18.7	*87*
1982[g]	67.7	*100*	12.0	*18*	55.7	*82*	66.8	*100*	5.5	*8*	61.3	*92*	18.3	*100*	5.2	*28*	13.1	*72*	26.2	*100*	6.6	*25*	19.6	*75*
1983[g]	65.7	*100*	7.8	*12*	57.9	*88*	68.5	*100*	5.8	*8*	62.7	*92*	18.4	*100*	5.4	*29*	13.0	*71*	27.2	*100*	8.1	*30*	19.1	*70*

SOURCE: International Cotton Advisory Committee.

For earlier years' data, see the October 1960 and 1969 ORGANON issues, pages 167 & 176.

[a] Bales of 478 pounds, except running bales for the United States through 1971.

[b] Means actual ginnings or pressings during the August-July season. In some countries, unpressed cotton and estimates of production for household consumption and for delivery to mills are included. U.S. production also includes the city crop, etc. Note that U.S. production shown in the table on page 181 includes only the ginnings within the crop year shown.

[c] Includes raw cotton consumed in spinning mills and other factories plus estimates of household consumption.

[d] Means the export of domestically produced cotton.

[e] Includes mill stocks, port stocks and stocks in transit, etc. U.S.A. means the carryover of U.S. cotton in the world regardless of where located; **FOREIGN** means the carryover of foreign cotton in the world regardless of location.

[f] Five-year averages.

[g] The 1982 & 1983 data are preliminary or estimated.

WORLD RAW COTTON PRODUCTION BY PRODUCING COUNTRIES[a]

THOUSAND BALES & *Percent*

SEASON Beginning AUGUST 1ST	WORLD TOTAL		NORTH & SOUTH AMERICA												PEOPLE'S REPUBLIC OF CHINA & E.EUROPE					
			BRAZIL		MEXICO		U.S.A.		OTHER N.A.[b]		OTHER S.A.[c]		TOTAL		CHINA[d]		U.S.S.R.[e]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	38,403	*100*	1,666	*4.3*	1,340	*3.5*	14,046	*36.6*	179	*0.5*	1,170	*3.0*	18,401	*47.9*	4,480	*11.6*	5,945	*15.5*	10,425	*27.1*
1955-1959	43,718	*100*	1,490	*3.4*	2,050	*4.7*	12,945	*29.6*	422	*1.0*	1,325	*3.0*	18,232	*41.7*	7,060	*16.2*	6,925	*15.8*	13,985	*32.0*
1960-1964	49,171	*100*	2,220	*4.5*	2,191	*4.5*	14,881	*30.3*	931	*1.9*	1,643	*3.3*	21,866	*44.5*	5,580	*11.4*	7,533	*15.3*	13,113	*26.7*
1965-1969	52,716	*100*	2,679	*5.1*	2,211	*4.2*	10,595	*20.1*	1,049	*2.0*	1,576	*3.0*	18,110	*34.4*	8,240	*15.6*	9,277	*17.6*	17,517	*33.2*
1970-1974	61,175	*100*	2,756	*4.5*	1,733	*2.8*	11,851	*19.4*	1,279	*2.1*	1,871	*3.1*	19,490	*31.9*	10,480	*17.1*	11,344	*18.6*	21,824	*35.7*
1975-1979	60,396	*100*	2,327	*3.8*	1,334	*2.2*	11,876	*19.7*	1,469	*2.4*	2,222	*3.7*	19,228	*31.8*	10,070	*16.7*	12,363	*20.5*	22,433	*37.2*
1970	54,412	*100*	2,740	*5.0*	1,440	*2.6*	10,269	*18.9*	895	*1.7*	1,509	*2.8*	16,853	*31.0*	9,200	*16.9*	10,900	*20.1*	20,100	*37.0*
1971	59,822	*100*	3,135	*5.2*	1,715	*2.9*	10,270	*17.2*	1,189	*2.0*	1,630	*2.7*	17,939	*30.0*	10,200	*17.1*	11,090	*18.5*	21,290	*35.6*
1972	63,266	*100*	3,000	*4.7*	1,780	*2.8*	13,890	*22.0*	1,268	*2.0*	1,869	*3.0*	21,807	*34.5*	9,800	*15.5*	11,205	*17.7*	21,005	*33.2*
1973	63,657	*100*	2,465	*3.9*	1,500	*2.4*	13,300	*20.9*	1,611	*2.5*	1,992	*3.1*	20,868	*32.8*	11,700	*18.4*	11,190	*17.5*	22,890	*35.9*
1974	64,716	*100*	2,440	*3.8*	2,230	*3.5*	11,525	*17.8*	1,430	*2.2*	2,357	*3.6*	19,982	*30.9*	11,500	*17.8*	12,335	*19.0*	23,835	*36.8*
1975	54,376	*100*	1,800	*3.3*	910	*1.7*	8,500	*15.6*	1,281	*2.4*	1,893	*3.5*	14,384	*26.5*	10,700	*19.7*	11,815	*21.7*	22,515	*41.4*
1976	57,569	*100*	2,510	*4.4*	1,045	*1.8*	10,650	*18.5*	1,562	*2.7*	2,302	*4.0*	18,069	*31.4*	10,000	*17.4*	12,125	*21.0*	22,125	*38.4*
1977	64,261	*100*	2,125	*3.3*	1,627	*2.5*	14,525	*22.6*	1,685	*2.6*	2,635	*4.1*	22,597	*35.1*	9,450	*14.7*	12,760	*19.9*	22,210	*34.6*
1978	59,482	*100*	2,519	*4.2*	1,563	*2.6*	10,856	*18.3*	1,657	*2.8*	2,105	*3.6*	18,700	*31.5*	9,968	*16.8*	11,885	*20.0*	21,853	*36.8*
1979	64,938	*100*	2,629	*4.0*	1,509	*2.3*	14,629	*22.6*	1,141	*1.8*	2,212	*3.4*	22,120	*34.1*	10,168	*15.7*	12,469	*19.2*	22,637	*34.9*
1980	64,529	*100*	2,857	*4.4*	1,620	*2.5*	11,122	*17.2*	1,191	*1.9*	1,991	*3.1*	18,781	*29.1*	12,443	*19.3*	13,240	*20.5*	25,683	*39.8*
1981	70,548	*100*	2,940	*4.2*	1,440	*2.0*	15,641	*22.3*	915	*1.3*	2,056	*2.9*	22,992	*32.7*	13,653	*19.3*	13,045	*18.5*	26,698	*37.8*
1982[f]	67,744	*100*	3,137	*4.6*	840	*1.2*	11,963	*17.7*	814	*1.2*	1,394	*2.1*	18,148	*26.8*	16,541	*24.4*	12,020	*17.8*	28,561	*42.2*
1983[f]	65,707	*100*	2,800	*4.3*	1,041	*1.6*	7,800	*11.8*	875	*1.3*	1,821	*2.8*	14,337	*21.8*	16,460	*25.0*	13,070	*19.9*	29,530	*44.9*

SEASON Beginning AUGUST 1ST	WEST EUROPE TOTAL[g]		ASIA & OCEANIA										AFRICA							
			INDIA		PAKISTAN		TURKEY		OTHER[h]		TOTAL		EGYPT		SUDAN		OTHER[i]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	236	*0.6*	3,432	*8.9*	1,330	*3.5*	642	*1.7*	727	*1.9*	6,131	*16.0*	1,713	*4.5*	387	*1.0*	1,110	*2.9*	3,210	*8.4*
1955-1959	537	*1.2*	4,012	*9.2*	1,381	*3.2*	763	*1.7*	1,129	*2.6*	7,285	*16.7*	1,815	*4.2*	502	*1.1*	1,362	*3.1*	3,679	*8.4*
1960-1964	838	*1.7*	4,769	*9.7*	1,663	*3.4*	1,118	*2.3*	1,644	*3.3*	9,194	*18.7*	2,045	*4.1*	691	*1.4*	1,424	*2.9*	4,160	*8.4*
1965-1969	778	*1.5*	4,850	*9.2*	2,268	*4.3*	1,787	*3.4*	2,065	*3.9*	10,970	*20.8*	2,205	*4.2*	946	*1.8*	2,190	*4.1*	5,341	*10.1*
1970-1974	809	*1.3*	5,410	*8.8*	2,993	*4.9*	2,379	*3.9*	2,363	*3.9*	13,145	*21.5*	2,268	*3.7*	1,056	*1.7*	2,583	*4.2*	5,907	*9.6*
1975-1979	803	*1.3*	5,700	*9.4*	2,536	*4.2*	2,291	*3.8*	2,381	*4.0*	12,908	*21.4*	1,936	*3.2*	663	*1.1*	2,425	*4.0*	5,024	*8.3*
1970	783	*1.4*	4,400	*8.1*	2,502	*4.6*	1,845	*3.4*	2,041	*3.7*	10,788	*19.8*	2,346	*4.3*	1,130	*2.1*	2,412	*4.4*	5,888	*10.8*
1971	759	*1.3*	5,800	*9.7*	3,263	*5.5*	2,420	*4.0*	2,238	*3.7*	13,721	*22.9*	2,351	*3.9*	1,125	*1.9*	2,637	*4.4*	6,113	*10.2*
1972	916	*1.4*	5,370	*8.5*	3,237	*5.1*	2,505	*4.0*	2,479	*3.9*	13,591	*21.5*	2,369	*3.7*	920	*1.5*	2,658	*4.2*	5,947	*9.4*
1973	717	*1.1*	5,530	*8.7*	3,037	*4.8*	2,365	*3.7*	2,416	*3.8*	13,348	*21.0*	2,258	*3.6*	1,090	*1.7*	2,486	*3.9*	5,834	*9.2*
1974	869	*1.3*	5,950	*9.2*	2,925	*4.5*	2,760	*4.3*	2,640	*4.1*	14,275	*22.1*	2,018	*3.1*	1,015	*1.6*	2,722	*4.2*	5,755	*8.9*
1975	813	*1.5*	5,350	*9.8*	2,370	*4.4*	2,215	*4.1*	2,239	*4.1*	12,174	*22.4*	1,762	*3.2*	500	*0.9*	2,228	*4.1*	4,490	*8.2*
1976	733	*1.3*	4,950	*8.6*	2,006	*3.5*	2,190	*3.8*	2,401	*4.1*	11,547	*20.0*	1,828	*3.2*	735	*1.3*	2,532	*4.4*	5,095	*8.9*
1977	928	*1.4*	5,680	*8.9*	2,651	*4.1*	2,650	*4.1*	2,489	*3.9*	13,470	*21.0*	1,840	*2.9*	915	*1.4*	2,301	*3.6*	5,056	*7.9*
1978	851	*1.4*	6,194	*10.4*	2,174	*3.6*	2,191	*3.7*	2,379	*4.0*	12,938	*21.7*	2,014	*3.4*	637	*1.0*	2,489	*4.2*	5,140	*8.6*
1979	656	*1.0*	6,274	*9.7*	3,343	*5.1*	2,191	*3.4*	2,368	*3.6*	14,176	*21.8*	2,221	*3.4*	523	*0.8*	2,605	*4.0*	5,349	*8.2*
1980	821	*1.3*	6,090	*9.4*	3,282	*5.1*	2,290	*3.6*	2,289	*3.5*	13,951	*21.6*	2,428	*3.8*	443	*0.7*	2,422	*3.7*	5,293	*8.2*
1981	877	*1.2*	6,473	*9.2*	3,438	*4.9*	2,244	*3.2*	2,644	*3.7*	14,799	*21.0*	2,293	*3.2*	706	*1.0*	2,183	*3.1*	5,182	*7.3*
1982[f]	716	*1.1*	6,174	*9.1*	3,775	*5.5*	2,241	*3.3*	2,597	*3.8*	14,787	*21.7*	2,117	*3.1*	944	*1.4*	2,471	*3.7*	5,532	*8.2*
1983[f]	709	*1.1*	6,473	*9.9*	4,060	*6.2*	2,310	*3.5*	2,775	*4.2*	15,618	*23.8*	1,898	*2.9*	900	*1.4*	2,715	*4.1*	5,513	*8.4*

SOURCE: International Cotton Advisory Committee.

a. Foreign imports in equivalent 500-pound bales.
b. Baleages are principally from El Salvador, Guatemala & Nicaragua.
c. Baleages are principally from Argentina, Colombia, Paraguay & Peru.
d. Figures include nominal baleages for North Korea & Vietnam.
e. Figures include nominal baleages for Albania & Bulgaria.
f. Data are preliminary.
g. Baleages are principally from Greece & Spain.
h. Baleages are chiefly from Australia, Iran, Israel & Syria.
i. Baleages are principally from Angola, Chad, Mozambique, Nigeria, South Africa, Tanzania, Uganda, Zaire & Zimbabwe.

SUPPLY AND DISTRIBUTION OF DOMESTIC & FOREIGN RAW COTTON IN THE U.S. FOR THE SEASONS BEGINNING AUGUST 1ST

THOUSAND RUNNING BALES[a]

SUPPLY & DISTRIBUTION	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983[b]
SUPPLY												
BEGINNING STOCK (AUGUST 1ST)	3,234	3,929	3,743	5,481	3,594	2,920	5,326	3,782	3,027	2,668	6,632	7.937
NET IMPORTS	30	48	34	88	38	5	4	5	28	26	20	25
U.S. PRODUCTION (GINNINGS)[c]	13,230	12,753	11,213	8,199	10,385	14,077	10,477	14,390	10,671	15,646	11,963	7.496
CITY CROP (EST.)[d]	10	20	10	5	10	+	+	+	131	266	180	100
TOTAL SUPPLY	**16,504**	**16,750**	**15,000**	**13,773**	**14,027**	**17,002**	**15,807**	**18,177**	**13,857**	**18,606**	**18,795**	**15,558**
DISTRIBUTION												
NET EXPORTS	5,000	5,746	3,746	3,247	4,565	5,219	5,850	8,779	5,611	6,567	5,207	5,575
U.S. CONSUMPTION	7,471	7,169	5,629	6,995	6,478	6,236	6,098	6,261	5,660	5,264	5,513	5,975
ADJUSTMENT ITEM[e]	104	92	144	-63	64	221	77	110	g	123	42	59
ENDING STOCK (JULY 31ST)	3,929	3,743	5,481	3,594	2,920	5,326	3,782	3,027	2,586	6,632	7,937	3.967
DIVIDED AS -												
PRIVATELY OWNED	3,731	3,525	4,597	3,483	2,604	4,057	3,145	2,485	1,934			
GOVERNMENT CONTROLLED[f]	198	218	884	111	316	1,269	637	542	652[h]			
TOTAL DISTRIBUTION	**16,504**	**16,750**	**15,000**	**13,773**	**14,027**	**17,002**	**15,807**	**18,177**	**13,857**	**18,586**	**18,699**	**15,576**

SOURCES: U.S. Census Bureau, *Current Industrial Report M22-P; USDA Cotton and Wool Situation*; and the New York Cotton Exchange Service Bureau.

For earlier years' data, see page 178 of the October 1967 ***Organon*** and page 158 of the October 1978 issue.

a. Foreign imports in equivalent 500-pound bales.

b. Data estimated except for beginning stock.

c. Total ginnings within the crop year shown. Note that U.S. production given in the world tables on page 180 and 181 also includes city crop, etc.

d. Consists of rebaled samples and pickings from cotton damaged by fire and weather (partially estimated).

e. The Census Bureau's difference between supply and distribution resulting from baleage destroyed, cotton in transit, etc.

f. Loan and pooled cotton under CCC and earlier programs.

g. Included in city crop above.

h. Preliminary data, subject to revision.

U.S. CALENDAR YEAR IMPORTS & EXPORTS OF RAW COTTON & COTTON PRODUCTS

THOUSAND RUNNING BALES

PRODUCTS	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
IMPORTS																
RAW COTTON	169	95	46	37	38	75	33	46	50	96	9	3	6	17	26	20
COTTON YARN	91	119	65	51	66	82	53	27	24	54	27	63	25	39	48	57
MANUFACTURED GOODS[a]	833	868	952	914	960	1,190	1,121	1,020	1,020	1,422	1,368	1,698	1,529	1,650	1,956	1,812
TOTAL	**1,093**	**1,082**	**1,063**	**1,002**	**1,064**	**1,347**	**1,207**	**1,093**	**1,094**	**1,572**	**1,404**	**1,764**	**1,560**	**1,706**	**2,030**	**1,889**
EXPORTS																
RAW COTTON	3,973	3,870	2,397	2,982	4,128	3,089	5,487	5,171	3,840	3,431	4,448	5,875	6,649	7,975	6,567	5,207
COTTON YARN	12	9	78	32	34	37	32	37	25	25	21	42	59	64	45	37
MANUFACTURED GOODS[a]	381	383	406	383	438	568	645	781	712	836	749	699	940	1,037	720	491
TOTAL	**4,366**	**4,262**	**2,881**	**3,397**	**4,600**	**3,694**	**6,164**	**5,989**	**4,577**	**4,292**	**5,218**	**6,616**	**7,648**	**9,076**	**7,332**	**5,735**
IMPORT BALANCE[b]																
COTTON YARN+ MANUFACTURED GOODS[a]	+531	+595	+533	+550	+554	+667	+497	+229	+307	+615	+625	+1,020	+555	+588	+1,239	+1,341

SOURCES: U.S. Census Bureau and Department of Agriculture.

Raw cotton data are actual bales. Cotton yarn and manufactured goods data are the USDA raw cotton equivalents of these imports and exports.

a. Includes thread, twine, cordage, woven & knit cloth, all types of apparel, household items and other items such as industrial belts & belting, bags, braids and narrow fabrics.

b. Import balance (+) and export balance (-).

For additional details in pounds, see page 170 of the November 1983 ***Organon***.

U.S. COTTON ACREAGE & YIELD

SEASON BEGINNING AUGUST 1	THOUSAND ACRES		YIELD[a]	PRODUCTION
	ALLOTMENT	HARVESTED	LBS	THOUSAND BALES[b]
1964	16,000	14,057	517	15,145
1965	16,000	13,615	527	14,938
1966	16,000	9,552	480	9,557
1967	16,000	7,997	447	7,443
1968	16,000	10,160	516	10,926
1969	16,000	11,055	434	9,990
1970	17,000	11,155	438	10,184
1971	11,500	11,471	438	10,477
1972	11,500[c]	12,984	507	13,704
1973	10,000[c]	11,970	520	12,974
1974	11,000[c]	12,567	441	11,540
1975	11,000[c]	8,796	453	8,302
1976	11,000[c]	10,914	465	10,581
1977	11,000[c]	13,282	520	14,389
1978	11,000[c]	12,400	420	10,856
1979		12,831	547	14,629
1980		13,215	404	11,122
1981		13,841	542	15,641
1982[d]		9,729	590	11,963
1983[e]		7,451	502	7,800

SOURCE: International Cotton Advisory Committee.

a. Per harvested acre.

b. Production for the crop year in 480-pound net weight bales, regardless of when ginned. Does not include adjustment for city crop, etc., as in the table above.

c. National base acreage allotments for price support payments.

d. Preliminary data.

e. International Cotton Advisory Committee estimate.

WORLD RAW WOOL PRODUCTION BY THE PRINCIPAL PRODUCING COUNTRIES[a]

MILLION POUNDS, GREASY BASIS & *Percent*

YEAR[b]	AUSTRALIA		NEW ZEALAND		SOUTH AFRICA[c]		ARGENTINA		URUGUAY		UNITED STATES		UNITED KINGDOM		TURKEY		E. EUROPE & CHINA[d]		ALL OTHERS[e]		WORLD TOTAL	
	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%
1935-39[f]	1,018	*26.3*	309	*8.0*	263	*6.8*	377	*9.8*	118	*3.1*	439	*11.4*	111	*2.9*	60	*1.5*	293	*7.6*	875	*22.6*	3,863	*100*
1940-44[f]	1,129	*27.4*	344	*8.3*	254	*6.2*	500	*12.1*	137	*3.3*	462	*11.2*	102	*2.5*	68	*1.7*	306	*7.4*	821	*19.9*	4,123	*100*
1945-49[f]	1,023	*26.9*	370	*9.7*	222	*5.8*	452	*11.9*	161	*4.2*	332	*8.7*	85	*2.2*	71	*1.9*	410	*10.8*	684	*17.9*	3,810	*100*
1950-54[f]	1,202	*27.6*	419	*9.6*	272	*6.2*	401	*9.2*	193	*4.4*	289	*6.6*	96	*2.2*	76	*1.7*	667	*15.3*	745	*17.1*	4,360	*100*
1955-59[f]	1,537	*29.5*	513	*9.8*	313	*6.0*	406	*7.8*	184	*3.5*	305	*5.9*	113	*2.2*	90	*1.7*	945	*18.2*	800	*15.4*	5,206	*100*
1960-64[f]	1,713	*30.2*	607	*10.7*	304	*5.4*	413	*7.3*	187	*3.3*	295	*5.2*	127	*2.2*	98	*1.7*	1,132	*20.0*	796	*14.0*	5,672	*100*
1965-69[f]	1,836	*30.7*	717	*12.0*	310	*5.2*	454	*7.6*	181	*3.0*	222	*3.7*	123	*2.1*	100	*1.7*	1,216	*20.3*	817	*13.7*	5,976	*100*
1970-74[f]	1,764	*30.6*	681	*11.8*	246	*4.2*	410	*7.1*	138	*2.4*	169	*2.9*	106	*1.8*	110	*1.9*	1,339	*23.2*	813	*14.1*	5,776	*100*
1975-79[f]	1,567	*26.5*	707	*12.0*	230	*3.9*	385	*6.5*	145	*2.5*	113	*1.9*	106	*1.8*	122	*2.1*	1,549	*26.3*	975	*16.5*	5,899	*100*
1965	1,663	*29.0*	695	*12.1*	329	*5.7*	430	*7.5*	183	*3.2*	241	*4.2*	129	*2.3*	95	*1.7*	1,138	*19.9*	826	*14.4*	5,729	*100*
1966	1,762	*30.1*	709	*12.1*	292	*5.0*	441	*7.5*	178	*3.0*	236	*4.0*	132	*2.3*	97	*1.7*	1,178	*20.1*	828	*14.2*	5,853	*100*
1967	1,770	*29.5*	728	*12.2*	304	*5.1*	494	*8.2*	185	*3.1*	227	*3.8*	128	*2.1*	101	*1.7*	1,239	*20.7*	818	*13.6*	5,994	*100*
1968	1,949	*31.6*	732	*11.9*	313	*5.1*	461	*7.5*	181	*2.9*	211	*3.4*	119	*1.9*	106	*1.7*	1,292	*20.9*	811	*13.1*	6,175	*100*
1969	2,035	*33.2*	723	*11.8*	310	*5.0*	445	*7.3*	176	*2.9*	194	*3.2*	106	*1.7*	103	*1.7*	1,235	*20.1*	804	*13.1*	6,131	*100*
1970	1,964	*32.2*	736	*12.1*	271	*4.4*	441	*7.2*	172	*2.8*	187	*3.1*	101	*1.7*	104	*1.7*	1,303	*21.3*	828	*13.5*	6,107	*100*
1971	1,941	*32.5*	710	*11.9*	258	*4.3*	417	*7.0*	119	*2.0*	181	*3.0*	104	*1.7*	106	*1.8*	1,327	*22.2*	809	*13.6*	5,972	*100*
1972	1,620	*29.1*	681	*12.2*	236	*4.2*	390	*7.0*	132	*2.4*	176	*3.2*	106	*1.9*	110	*2.0*	1,310	*23.6*	799	*14.4*	5,560	*100*
1973	1,545	*28.2*	628	*11.5*	231	*4.2*	397	*7.3*	132	*2.4*	159	*2.9*	108	*2.0*	115	*2.1*	1,343	*24.5*	816	*14.9*	5,474	*100*
1974	1,748	*30.3*	648	*11.2*	238	*4.1*	406	*7.0*	141	*2.5*	143	*2.5*	110	*1.9*	115	*2.0*	1,413	*24.5*	809	*14.0*	5,771	*100*
1975	1,662	*28.8*	688	*11.9*	238	*4.1*	414	*7.2*	152	*2.6*	128	*2.2*	108	*1.9*	117	*2.0*	1,430	*24.8*	837	*14.5*	5,774	*100*
1976	1,550	*27.0*	668	*11.7*	227	*4.0*	388	*6.8*	141	*2.5*	117	*2.0*	106	*1.8*	119	*2.1*	1,435	*25.0*	983	*17.1*	5,734	*100*
1977	1,493	*25.6*	686	*11.8*	234	*4.0*	379	*6.5*	137	*2.3*	112	*1.9*	101	*1.7*	121	*2.1*	1,583	*27.1*	992	*17.0*	5,838	*100*
1978	1,556	*26.0*	708	*11.8*	225	*3.8*	377	*6.3*	139	*2.3*	104	*1.7*	108	*1.8*	126	*2.1*	1,620	*27.1*	1,020	*17.1*	5,983	*100*
1979	1,564	*25.4*	787	*12.8*	227	*3.7*	377	*6.1*	154	*2.5*	106	*1.7*	106	*1.7*	130	*2.1*	1,715	*27.8*	1,002	*16.2*	6,168	*100*
1980	1,543	*24.6*	840	*13.4*	231	*3.7*	375	*6.0*	179	*2.8*	108	*1.7*	115	*1.8*	134	*2.1*	1,735	*27.6*	1,025	*16.3*	6,285	*100*
1981	1,581	*24.8*	800	*12.6*	242	*3.8*	370	*5.8*	174	*2.7*	112	*1.8*	112	*1.8*	137	*2.1*	1,806	*28.3*	1,037	*16.3*	6,371	*100*
1982	1,545	*24.3*	818	*12.9*	247	*3.9*	364	*5.7*	181	*2.9*	106	*1.7*	110	*1.7*	141	*2.2*	1,814	*28.5*	1,032	*16.2*	6,358	*100*
1983[g]	1,484	*23.6*	818	*13.0*	240	*3.8*	357	*5.7*	185	*2.9*	97	*1.6*	115	*1.8*	141	*2.2*	1,812	*28.8*	1,045	*16.6*	6,294	*100*

SOURCE: The Commonwealth Secretariat (London).

a. Apparel plus carpet class shorn wool, as well as pulled wool and wool on skins, mostly at the shorn equivalent.

b. Calendar years for Northern Hemisphere nations; season beginning July first or October first for Southern Hemisphere countries.

c. Excludes Lesotho and South West Africa.

d. Includes U.S.S.R. & Romania only in 1945 and prior years. For 1946 forward, Albania, Bulgaria, People's Republic of China, Czechoslovakia, East Germany, Hungary, Outer Mongolia & Tibet, Poland and Yugoslavia are also included.

For 1979 forward, these figures reflect significant revisions of People's Republic of China.

e. Also includes China and Eastern European countries, except U.S.S.R. & Romania, in 1945 and prior years.

f. Five-year averages.

g. Preliminary estimates.

DISAPPEARANCE OF WOOL IN THE U.S.[a]

MILLION POUNDS, SCOURED BASIS

ITEM	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
MILL CONSUMPTION OF WOOL														
APPAREL CLASS - DOMESTIC	167.7	116.9	101.5	145.7	121.1	86.1	99.5	92.3	87.0	91.2	92.1	77.4	142.2	119.7
- FOREIGN	93.5	79.8	42.7	24.8	19.6	11.8	16.6	38.4	34.2	37.3	32.4	47.3		
TOTAL APPAREL CLASS	**261.2**	**196.7**	**144.2**	**170.5**	**140.7**	**97.9**	**116.1**	**130.7**	**121.2**	**128.5**	**124.5**	**124.7**	**142.2**	**119.7**
CARPET CLASS - FOREIGN	**93.7**	**76.6**	**75.1**	**76.4**	**41.4**	**18.6**	**15.9**	**15.2**	**12.7**	**13.1**	**9.9**	**9.2**	**10.7**	**9.8**
SUBTOTAL ABOVE[b]	**354.9**	**273.3**	**219.3**	**246.9**	**182.1**	**116.5**	**132.0**	**145.9**	**133.9**	**141.6**	**134.4**	**133.9**	**152.9**	**129.5**
CONSUMED ON THE COTTON SYSTEM[c]	4.3	4.4	3.1	2.0	1.5	1.0	0.8	3.0	4.1	3.0	2.5	3.8	2.7	1.5
TOTAL RAW WOOL	**359.2**	**277.7**	**222.4**	**248.9**	**183.6**	**117.5**	**132.8**	**148.9**	**138.0**	**144.6**	**136.9**	**137.7**	**155.6**	**131.0**
REPROCESSED - CARPET	5.4	3.5	2.6	2.8	1.7	0.8	0.7	14.8	16.7	16.8	17.0	10.5	10.9	9.8
- OTHER	28.2	23.8	19.5	17.0	15.8	15.9	14.1							
REUSED - OTHER	3.1	3.9	2.6	2.6	2.3	1.9								
TOTAL ABOVE	**395.9**	**308.9**	**247.1**	**271.3**	**203.4**	**136.1**	**147.6**	**163.7**	**154.7**	**161.4**	**153.9**	**148.2**	**166.5**	**140.8**
WOOL CONTENT OF IMPORTS														
TOPS[d]	4.5	4.4	2.7	0.4	0.3	0.5	0.3	0.4	0.9	0.6	0.4	0.3	0.3	0.5
YARNS	8.6	8.1	7.7	6.3	4.9	5.4	4.1	5.4	5.8	5.5	3.8	3.9	4.7	7.2
CARPETS & RUGS	9.2	7.8	9.2	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	18.1	19.6
WOVEN FABRICS[e]	30.2	24.9	12.4	9.5	12.9	9.6	8.8	12.6	19.1	26.4	22.2	21.5	27.8	25.6
KNIT APPAREL	30.6	25.2	21.3	20.0	15.0	12.7	12.2	18.9	25.8	22.3	19.1	24.4	22.8	25.6
OTHER APPAREL	10.9	12.9	9.9	11.2	12.4	11.2	10.7	14.1	18.3	22.6	20.1	17.3	18.1	20.7
OTHER MANUFACTURES[f]	2.2	2.6	3.0	3.3	2.2	1.4	1.1	1.2	1.2	0.9	1.1	0.8	1.3	0.9
TOTAL IMPORTS[g]	**96.2**	**85.9**	**66.2**	**63.0**	**61.3**	**53.3**	**48.6**	**66.7**	**85.9**	**92.2**	**80.6**	**85.1**	**93.1**	**100.1**
WOOL CONTENT OF EXPORTS														
CARPET	1.0	0.9	1.2	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2	0.2
OTHER	4.2	4.0	8.2	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	11.6	10.6
TOTAL EXPORTS[g]	**5.2**	**4.9**	**9.4**	**30.6**	**30.8**	**23.0**	**19.2**	**13.9**	**11.5**	**11.6**	**14.0**	**23.8**	**11.8**	**10.8**
NET IMPORTS	**91.0**	**81.0**	**56.8**	**32.4**	**30.5**	**30.3**	**29.4**	**52.8**	**74.4**	**80.6**	**66.6**	**61.3**	**81.3**	**89.3**
TOTAL DISAPPEARANCE	**486.9**	**389.9**	**303.9**	**303.7**	**233.9**	**166.4**	**177.0**	**216.5**	**229.1**	**242.0**	**220.5**	**209.5**	**247.8**	**230.1**
DISAPPEARANCE IN CARPETS & RUGS														
CARPET WOOL CONSUMPTION	99.1	80.1	77.7	79.2	43.1	19.4	16.6	15.5	12.8	13.2	10.9	10.4	10.7	9.8
IMPORTS OF CARPETS	9.2	7.8	9.2	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	18.1	19.6
EXPORTS OF CARPETS	1.0	0.9	1.2	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2	0.2
TOTAL	**107.3**	**87.0**	**85.7**	**90.4**	**54.8**	**29.4**	**26.1**	**27.3**	**25.6**	**26.4**	**24.5**	**27.0**	**29.0**	**29.6**
% Imports of Total	*8½*	*9*	*10½*	*13½*	*25*	*42½*	*43½*	*51½*	*58*	*52½*	*56½*	*62½*	*62½*	*66*
DISAPPEARANCE IN ALL OTHER PRODUCTS														
OTHER WOOL CONSUMPTION	296.8	228.8	169.4	192.1	160.3	116.7	131.0	148.2	141.9	148.2	143.0	137.8	132.2	109.4
IMPORTS	87.0	78.1	57.0	50.7	47.7	40.8	37.2	52.6	71.1	78.3	66.7	68.2	75.0	80.5
EXPORTS	4.2	4.0	8.2	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	11.6	10.6
TOTAL	**379.6**	**302.9**	**218.2**	**213.3**	**179.1**	**137.0**	**150.9**	**189.2**	**203.5**	**215.6**	**196.0**	**182.5**	**218.8**	**200.5**
% Imports of Total	*23*	*26*	*26*	*24*	*26½*	*30*	*24½*	*28*	*35*	*36½*	*34*	*37½*	*34½*	*40*

a. Calendar years.

b. Agrees with ***Organon's*** Selected U.S. Monthly Textile Fiber Data Table.

c. Raw wool consumed on the cotton spinning system.

d. Includes advanced wool.

e. Includes pile fabrics & manufactures, blankets, tapestry & upholstery, press & billiard cloths, car robes, etc.

f. Includes knit fabrics in the piece and miscellaneous manufactures not elsewhere specified.

g. March ***Organon*** page 39 or as revised later.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1983												10 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	0	30	30	30	0	0	59	29	29	29			236	109
CANADA	208	341	88	121	0	92	115	79	224	51			1319	489
MEXICO	73	52	16	92	39	229	117	78	160	58			914	965
AUSTRIA	41	289	219	138	249	316	42	23	0	13			1330	1620
GERMANY, FED. REP. OF	93	103	134	79	141	65	153	442	430	324			1964	1715
NETHERLANDS	11	71	43	0	96	58	21	34	77	36			447	401
UNITED KINGDOM	0	10	0	25	28	87	16	101	59	116			442	0
JAPAN	18	6	60	3	50	15	70	27	115	114			478	285
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4	24	5	46	7			202	576
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**748**			**7332**	**6160**
CELLULOSIC STAPLE+TOW														
CANADA	442	346	225	425	556	444	380	550	495	606			4469	2016
AUSTRIA	0	158	95	0	76	531	76	153	210	191			1490	3052
FRANCE	0	0	56	0	18	1	0	3	0	0			78	123
SWEDEN	0	187	213	307	420	505	321	522	209	0			2684	3766
UNITED KINGDOM	2	0	64	38	41	76	0	66	58	74			419	636
JAPAN	134	174	151	178	199	165	157	48	148	192			1546	1287
TAIWAN	5	22	0	0	69	0	0	0	0	0			96	11
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36	1	0	40	3			99	583
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1342**	**1160**	**1066**			**10881**	**11474**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	752	426	734	662	705	829	678	680	666	615			6747	4179
MEXICO	17	289	421	257	439	243	304	307	989	828			4094	297
FRANCE	157	210	165	120	98	190	56	128	160	180			1464	1220
GERMANY, FED. REP. OF	636	574	397	562	547	584	502	319	626	748			5495	5610
ITALY	88	11	37	106	401	255	358	53	470	432			2211	359
NETHERLANDS	1	34	11	81	6	17	48	3	17	9			227	57
SPAIN	153	92	31	127	32	286	248	34	134	228			1365	1
SWITZERLAND	47	122	74	96	59	106	40	67	15	49			675	133
UNITED KINGDOM	36	444	173	351	457	99	291	184	84	290			2409	405
ISRAEL	64	298	74	117	26	111	108	16	86	142			1042	0
JAPAN	810	902	590	888	1234	687	1182	844	538	880			8555	5252
REP. OF KOREA	6	7	3	84	104	52	173	52	71	123			675	22
TAIWAN	13	49	25	1	3	58	18	29	19	133			348	45
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44	106	216	414	685			1616	990
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**5342**			**36923**	**18570**
NONCELLULOSIC STAPLE+TOW														
CANADA	278	400	491	274	838	1183	775	464	683	821			6207	4503
COSTA RICA	0	0	0	49	42	42	27	91	305	145			701	0
MEXICO	1197	475	437	294	810	995	810	778	1426	998			8220	1801
BELGIUM	6	72	2	34	2	36	17	19	76	28			292	140
FRANCE	1250	340	687	779	659	665	409	582	300	307			5978	5621
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052	1774	862	862	2060			14553	6664
ITALY	421	1918	608	2105	325	666	348	478	410	1021			8300	3818
NETHERLANDS	0	38	49	93	52	28	75	77	143	436			991	367
SWITZERLAND	0	0	0	55	2	9	42	38	22	11			179	127
UNITED KINGDOM	233	736	816	1392	2099	1824	1429	1724	1143	1385			12781	2097
AUSTRALIA	0	91	0	0	0	0	0	0	0	0			91	29
ISRAEL	0	55	57	0	0	0	0	0	0	0			112	60
JAPAN	933	513	1174	1083	779	1282	1353	1171	1560	1178			11026	5804
REP. OF KOREA	0	40	0	40	0	95	40	40	41	40			336	33
TAIWAN	381	449	524	346	38	158	74	184	185	1014			3353	7890
ALL OTHER COUNTRIES[d]	0	0	7	91	29	75	354	154	307	178			1195	1105
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**9622**			**74315**	**40059**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 49, Italy 26, Rep. of Korea 80, Sweden 9, Taiwan 7 and Yugoslavia 22.

b. Australia 1, Fed. Rep. of Germany 57,German Dem. Rep. 3, Mexico 4, Romania 33 and Venezuela 1.

c. Australia 12, Austria 101, Belgium 14, Brazil 2, Denmark 2, Costa Rica 15, Iceland 16, Indonesia 45, Ireland 45, Portugal 45, Romania 83, So. Africa 1138, Sweden 63 and Thailand 35.

d. Austria 28, Denmark 38, Finland 1, Ireland 39, Norway 265, Portugal 11, Romania 510, South Africa 89, Spain 38, Sweden 12, Turkey 129 and Yugoslavia 35.

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
ACETATE															
PRODUCTION	**52.9**	**53.0**	**46.1**	**43.2**	**195.2**	**50.3**	**62.2**	**61.3**							
SHIPMENTS - DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1	53.9	51.0							
- EXPORT	8.8	6.2	8.5	6.3	29.8	7.1	5.9	8.4							
TOTAL SHIPMENTS	**53.7**	**53.3**	**48.0**	**43.8**	**198.8**	**51.2**	**59.8**	**59.4**							
ENDING STOCK	**13.5**	**13.2**	**11.3**	**10.7**		**9.8**	**12.2**	**14.1**							
NYLON[b]															
PRODUCTION	**299.9**	**309.0**	**312.1**	**320.6**	**1241.6**	**311.5**	**375.6**	**392.3**							
SHIPMENTS - DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0	359.1	358.4							
- EXPORT	26.8	23.8	26.0	25.5	102.1	25.4	27.0	27.3							
TOTAL SHIPMENTS	**308.4**	**320.3**	**318.7**	**320.3**	**1267.7**	**320.4**	**386.1**	**385.7**							
ENDING STOCK	**143.8**	**132.5**	**125.9**	**126.2**		**117.3**	**106.8**	**113.4**							
OLEFIN[c]															
PRODUCTION	**154.3**	**146.9**	**142.6**	**141.4**	**585.2**	**166.8**	**186.9**	**183.4**							
SHIPMENTS - DOMESTIC	146.8	145.0	144.5	140.7	577.0	160.6	184.2	182.1							
- EXPORT	4.7	3.3	3.1	4.2	15.3	3.9	4.2	3.5							
TOTAL SHIPMENTS	**151.5**	**148.3**	**147.6**	**144.9**	**592.3**	**164.5**	**188.4**	**185.6**							
ENDING STOCK	**64.5**	**63.1**	**58.1**	**54.6**		**56.9**	**55.4**	**53.2**							
POLYESTER															
PRODUCTION	**331.5**	**318.1**	**280.5**	**283.5**	**1213.6**	**322.8**	**361.5**	**327.6**							
SHIPMENTS - DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3	342.6	307.2							
- EXPORT	34.9	35.8	19.2	12.9	102.8	19.6	17.5	13.9							
TOTAL SHIPMENTS	**332.1**	**328.3**	**286.2**	**291.0**	**1237.6**	**325.9**	**360.1**	**321.1**							
ENDING STOCK	**122.4**	**112.2**	**106.5**	**99.0**		**95.9**	**97.3**	**103.8**							
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**785.7**	**774.0**	**735.2**	**745.5**	**3040.4**	**801.1**	**924.0**	**903.3**							
SHIPMENTS - DOMESTIC	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7							
- EXPORT	66.4	62.9	48.3	42.6	220.2	48.9	48.7	44.7							
TOTAL SHIPMENTS	**792.0**	**796.9**	**752.5**	**756.2**	**3097.6**	**810.8**	**934.6**	**892.4**							
ENDING STOCK	**330.7**	**307.8**	**290.5**	**279.8**		**270.1**	**259.5**	**270.4**							
DOMESTIC SHIPMENTS	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7							
IMPORTS - TEXTURED YARN[d]	2.0	3.1	3.7	6.1	14.9	4.7	5.3	5.7							
- OTHER YARN[d]	2.8	2.6	4.1	3.9	13.4	6.6	7.5	7.7							
- MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4	0.4	0.4							
TOTAL IMPORTS	5.2	6.1	8.2	10.3	29.8	11.7	13.2	13.8							
TOTAL AVAILABLE	**730.8**	**740.1**	**712.4**	**723.9**	**2907.2**	**773.6**	**899.1**	**861.5**							
						TEXTILE GLASS FIBER									
PRODUCTION	**207.6**	**209.8**	**241.0**	**240.8**	**899.2**	**245.1**	**273.1**	**313.2**							
SHIPMENTS - DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6	294.4	301.9							
- EXPORT	11.5	10.3	11.2	9.9	42.9	8.4	8.7	9.7							
TOTAL SHIPMENTS	**202.0**	**225.1**	**239.0**	**238.3**	**904.4**	**255.0**	**303.1**	**311.6**							
ENDING STOCK	**151.8**	**136.5**	**138.5**	**141.0**		**131.1**	**101.1**	**102.7**							
IMPORTS	3.8	3.2	3.7	3.4	14.1	4.8	5.3	4.2							
TOTAL AVAILABLE	**194.3**	**218.0**	**231.5**	**231.8**	**875.6**	**251.4**	**299.7**	**306.1**							

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 36 & 37 of the March 1983 issue for further details on these yarns.

b. Includes Aramid in 1982.

c. Also includes film fiber as well as spunbonded polypropylene.

d. Includes singles and plied.

e. Acetate staple+tow data are available annually only; see pages 36 & 37 of the March 1983 issue for further details.

f. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							STAPLE+TOW[e]								
RAYON															
PRODUCTION	**96.2**	**86.7**	**87.8**	**84.3**	**355.0**	**92.6**	**92.1**	**92.1**							
SHIPMENTS · DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6							
· EXPORT	13.4	16.8	15.3	21.0	66.5	6.9	11.7	15.1							
TOTAL SHIPMENTS	**91.0**	**86.6**	**87.4**	**95.2**	**360.2**	**87.0**	**94.7**	**99.7**							
ENDING STOCK	**36.3**	**36.4**	**36.8**	**25.9**		**31.5**	**28.9**	**21.3**							
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6							
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1	3.9	3.3							
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2	0.2	0.2							
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3	4.1	3.5							
TOTAL AVAILABLE	**81.4**	**72.6**	**76.2**	**76.9**	**307.1**	**82.4**	**87.1**	**88.1**							
NYLON[b]															
PRODUCTION	**140.5**	**169.3**	**191.1**	**184.1**	**685.0**	**196.4**	**234.9**	**252.4**							
SHIPMENTS · DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0	243.5	236.2							
· EXPORT	4.1	4.2	3.1	5.2	16.6	3.3	3.7	3.0							
TOTAL SHIPMENTS	**146.0**	**175.0**	**188.9**	**180.0**	**689.9**	**199.3**	**247.2**	**239.2**							
ENDING STOCK	**59.3**	**53.6**	**55.8**	**59.9**		**57.0**	**44.7**	**57.9**							
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6	7.0	6.7							
TOTAL AVAILABLE	**142.9**	**171.5**	**190.8**	**179.6**	**684.8**	**201.6**	**250.5**	**242.9**							
ACRYLIC+MODACRYLIC															
PRODUCTION	**149.6**	**171.1**	**158.5**	**144.9**	**624.1**	**160.4**	**178.4**	**168.8**							
SHIPMENTS · DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1	129.3	127.9							
· EXPORT	46.4	41.5	42.7	43.7	174.3	41.3	44.9	35.3							
TOTAL SHIPMENTS	**154.5**	**169.4**	**156.3**	**152.0**	**632.2**	**161.4**	**174.2**	**163.2**							
ENDING STOCK	**60.2**	**61.9**	**64.1**	**57.0**		**56.0**	**60.2**	**65.8**							
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3	3.9	4.0							
TOTAL AVAILABLE	**110.1**	**129.2**	**115.3**	**111.2**	**465.8**	**122.4**	**133.2**	**131.9**							
OLEFIN+VINYON															
PRODUCTION	**35.8**	**30.8**	**37.6**	**34.0**	**138.2**	**37.9**	**42.9**	**49.9**							
SHIPMENTS · DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7	44.1	45.1							
· EXPORT	0.6	0.6	1.6	2.1	4.9	0.7	1.9	2.6							
TOTAL SHIPMENTS	**29.9**	**40.5**	**38.0**	**35.4**	**143.8**	**40.4**	**46.0**	**47.7**							
ENDING STOCK	**31.6**	**21.9**	**21.5**	**20.1**		**17.6**	**14.5**	**16.7**							
POLYESTER															
PRODUCTION	**538.7**	**459.6**	**447.4**	**509.5**	**1955.2**	**492.0**	**559.3**	**561.7**							
SHIPMENTS · DOMESTIC	437.3	445.3	428.9	456.0	1767.5	487.6	540.4	538.1							
· EXPORT	86.4	28.3	25.8	33.6	174.1	30.1	22.4	21.8							
TOTAL SHIPMENTS	**523.7**	**473.6**	**454.7**	**489.6**	**1941.6**	**517.7**	**562.8**	**559.9**							
ENDING STOCK	**189.2**	**175.2**	**167.9**	**187.8**		**162.1**	**158.6**	**160.4**							
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8	2.1	4.1							
TOTAL AVAILABLE	**439.2**	**447.0**	**430.7**	**457.9**	**1774.8**	**490.4**	**542.5**	**542.2**							
TOTAL NONCELLULOSIC															
PRODUCTION	**864.6**	**830.8**	**834.6**	**872.5**	**3402.5**	**886.7**	**1015.5**	**1032.8**							
SHIPMENTS · DOMESTIC	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3							
· EXPORT	137.5	74.6	73.2	84.6	369.9	75.4	72.9	62.7							
TOTAL SHIPMENTS	854.1	858.5	837.9	857.0	3407.5	918.8	1030.2	1010.0							
ENDING STOCK	340.3	312.6	309.3	324.8		292.7	278.0	300.8							
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3							
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[f]	4.9	3.7	8.5	9.6	26.7	10.7	13.0	14.8							
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7	2.5	1.5							
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4	8.1	6.1							
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8	23.6	22.4							
TOTAL AVAILABLE	**726.2**	**794.5**	**780.1**	**788.0**	**3088.8**	**862.2**	**980.9**	**969.7**							

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
ITEM		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(A) ACETATE		(N) NYLON *		(P) POLYESTER		(O) OLEFIN					
HOSIERY[b]	N	106.3	106.3	107.0	92.3	22.4	22.2	23.9	23.8	25.4	26.3	26.0	
OTHER CIRCULAR KNIT[c]	N	58.9	56.6	48.2	25.7	8.4	5.4	7.0	4.9	5.3	6.0	6.0	
	P	615.4	495.7	345.6	228.4	59.4	57.6	55.4	56.0	77.2	79.3	67.5	
	A	4.5	3.2	3.6	1.6	0.4	0.7	0.2	0.3	0.7	0.5	0.6	
FLAT KNIT	A	146.9	144.9	98.7	71.7	20.2	20.5	16.9	14.1	18.0	23.6	20.1	
	N	202.6	176.3	163.2	130.8	32.8	32.6	31.0	34.4	39.0	42.4	39.8	
	P	89.0	83.8	98.4	87.0	21.1	21.8	23.5	20.6	22.4	26.2	31.3	
CARPET FACE	N	732.5	714.5	633.6	559.5	123.6	141.4	154.3	140.2	143.9	196.4	196.4	
	O	85.3	89.5	89.5	90.0	23.4	22.1	23.0	21.5	29.8	34.0	33.1	
CARPET BACKING[d]	O	220.7	197.8	195.3	184.7	45.7	45.6	49.1	44.3	46.1	54.1	53.7	
OTHER BROAD WOVEN[e]	A	129.2	110.5	110.7	88.8	22.3	23.3	20.9	22.3	24.2	29.2	29.7	
	N	102.7	94.3	89.2	82.2	21.5	20.8	18.9	21.0	21.3	22.3	19.3	
	P	387.2	405.5	440.2	367.0	78.4	88.5	98.7	101.4	103.2	135.7	117.6	
	O	171.4	186.3	200.7	172.5	42.8	44.6	43.1	42.0	48.9	57.2	58.1	
NARROW WOVEN[f]	A	5.9	8.7	8.6	2.9	0.9	0.7	1.0	0.3	0.9	0.2	0.4	
	N	37.2	31.4	34.0	30.2	8.2	7.8	6.6	7.6	7.0	9.2	9.5	
	P	30.5	28.1	28.1	28.1	5.4	8.3	7.0	7.4	7.7	8.5	8.7	
	O	11.8	12.3	12.6	12.1	2.8	3.0	3.2	3.1	3.7	3.5	3.8	
TIRES, INCL. CHAFER	N	285.3	209.2	204.7	147.9	39.1	39.8	28.3	40.7	29.2	33.7	34.8	
	P	227.4	161.0	174.8	168.9	43.7	44.1	39.9	41.2	42.9	45.3	42.5	
OTHER RUBBER INDUSTRY[g]	N	28.7	22.3	25.7	17.3	6.4	5.2	2.7	3.0	4.1	4.3	4.0	
	P	35.8	30.2	35.1	26.7	8.4	7.7	5.5	5.1	6.4	7.7	5.9	
ROPE, CORDAGE & FISHLINE	N	38.2	33.0	30.6	29.1	7.1	6.7	7.3	8.0	7.5	7.6	8.0	
	P	13.6	13.1	15.8	14.4	2.9	3.6	3.3	4.6	3.3	3.4	2.8	
	O	95.3	84.4	92.1	84.8	23.2	20.6	19.6	21.4	23.3	25.7	23.1	
ALL OTHER[h]	A	1.9	1.9	4.7	4.0	1.1	1.9	0.5	0.5	0.3	0.4	0.2	
	N	38.9	95.0	68.1	50.6	12.1	14.6	12.7	11.2	12.3	10.9	14.6	
	P	126.2	146.0	292.0	214.3	77.9	60.9	33.7	41.8	43.2	36.5	30.9	
	O	39.7	41.4	38.1	32.9	8.9	9.1	6.5	8.4	8.8	9.7	10.3	
TOTAL ABOVE	**A**	**288.4**	**269.2**	**226.3**	**169.0**	**44.9**	**47.1**	**39.5**	**37.5**	**44.1**	**53.9**	**51.0**	
	N	**1631.3**	**1538.9**	**1404.3**	**1165.6**	**281.6**	**296.5**	**292.7**	**294.8**	**295.0**	**359.1**	**358.4**	
	P	**1525.1**	**1363.4**	**1430.0**	**1134.8**	**297.2**	**292.5**	**267.0**	**278.1**	**306.3**	**342.6**	**307.2**	
	O	**624.2**	**611.7**	**628.3**	**577.0**	**146.8**	**145.0**	**144.5**	**140.7**	**160.6**	**184.2**	**182.1**	
TOTAL DOMESTIC		**4069.0**	**3783.2**	**3688.9**	**3046.4**	**770.5**	**781.1**	**743.7**	**751.1**	**806.0**	**939.8**	**898.7**	
ALSO DIVIDED AS													
APPAREL		1604.5	1530.4	1530.0	1128.2	303.9	285.6	268.6	270.1	305.4	335.6	301.7	
HOME FURNISHINGS		1274.6	1212.7	1129.4	1016.6	237.7	257.4	269.5	252.0	272.0	351.3	350.3	
INDUSTRIAL		1189.9	1040.1	1029.5	901.6	228.9	238.1	205.6	229.0	228.6	252.9	246.7	
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		+	0	0	0	0	0	0	0	0	0	0	
NYLON		166.8	167.4	159.6	122.3	30.9	29.7	31.6	30.1	30.9	32.8	31.5	
POLYESTER		1015.3	942.0	991.3	737.9	198.1	189.1	172.7	178.0	201.0	221.8	192.2	
OLEFIN		46.5	40.9	33.5	26.8	7.6	7.9	5.5	5.8	6.2	8.2	7.4	

*. Includes Aramid in 1979 through 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON * (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	238.8	275.7	255.6	230.5	54.7	62.6	56.3	56.9	58.1	64.3	60.4	
	NPR	21.3	11.5	8.9	8.8	2.0	2.3	2.2	2.3	2.9	2.7	2.2	
PILE FABRICS[b]	A	65.1	60.4	44.7	36.4	10.3	11.6	8.5	6.0	9.0	10.3	7.8	
	P	17.8	18.3	14.9	15.6	3.9	3.8	4.0	3.9	4.8	4.9	5.0	
OTHER CIRCULAR+FLAT KNIT[c]	R	11.7	9.8	10.9	5.7	1.5	1.5	1.3	1.4	1.0	1.2	0.9	
	A	98.8	125.0	91.6	112.6	24.4	33.0	28.8	26.4	31.5	32.2	33.0	
	P	278.1	296.3	300.7	288.8	70.9	72.2	71.8	73.9	91.5	91.1	85.8	
BLANKETS[b]	A	45.5	42.2	28.1	23.7	4.7	5.5	7.1	6.4	7.7	6.7	8.1	
	P	13.2	17.3	14.8	12.0	2.1	3.0	3.3	3.6	3.8	2.8	2.5	
OTHER BROAD WOVEN	R	233.2	201.6	224.7	146.6	38.4	34.7	35.0	38.5	40.8	45.3	47.0	
	N	59.2	53.0	52.4	56.4	11.6	14.9	14.3	15.6	15.4	16.6	14.2	
	A	42.1	42.3	33.0	25.7	5.7	7.9	5.5	6.6	7.7	8.8	8.2	
	P	1171.0	1194.6	1107.0	889.0	232.2	222.3	209.6	224.9	237.0	270.4	272.3	
	O	17.0	17.3	17.1	16.1	3.7	6.0	2.5	3.9	4.9	5.0	4.9	
CARPET FACE YARNS	R	+	+	0.3	0.1	+	0.1	0	+	+	0.1	+	
	N	828.0	631.5	617.4	594.4	125.1	150.1	165.5	153.7	175.3	220.7	215.9	
	A	48.1	Included in All Other										
	P	192.4	119.9	124.0	114.7	24.6	32.0	27.6	30.5	34.7	39.8	33.2	
	O	64.7	61.6	67.5	76.8	17.0	21.5	19.6	18.7	21.7	23.7	22.7	
FIBERFILL[d]	P	239.6	205.1	226.7	228.4	49.0	53.4	60.8	65.2	60.8	68.8	75.3	
FLOCK	NP	10.7	10.8	13.0	10.2	2.1	2.8	2.6	2.7	2.3	3.0	3.0	
	R	5.1	5.1	5.6	3.1	0.7	0.9	0.8	0.7	0.9	0.7	0.7	
NONWOVENS[ef]	R	160.3	147.3	124.6	111.9	32.4	25.5	27.7	26.3	30.5	29.0	29.3	
	N	3.8	3.2	3.5	3.8	1.1	0.8	1.1	0.8	1.1	1.1	1.4	
	P	153.6	166.6	149.3	155.2	35.0	38.8	42.8	38.6	38.8	48.4	47.8	
	VINYON+O	36.7	34.6	42.7	39.0	7.4	10.2	12.5	8.9	10.2	13.0	16.5	
ALL OTHER	R	30.9	26.2	29.1	24.3	4.4	6.6	6.7	6.6	6.3	6.1	6.4	
	N	10.8	12.2	10.3	7.7	1.8	2.1	2.1	1.7	1.2	1.6	1.3	
	A	8.2	39.7	41.1	29.0	8.3	7.3	7.4	6.0	6.1	7.0	10.4	
	P	49.3	42.6	60.6	57.8	18.0	18.1	7.6	14.1	14.6	12.6	14.7	
	VINYON+O	0.9	1.5	4.7	7.0	1.2	2.2	1.8	1.8	2.9	2.4	1.0	
TOTAL ABOVE	**R**	**442.4**	**390.7**	**396.9**	**293.7**	**77.6**	**69.8**	**72.1**	**74.2**	**80.1**	**83.0**	**84.6**	
	N	**913.2**	**711.2**	**696.4**	**673.3**	**141.9**	**170.8**	**185.8**	**174.8**	**196.0**	**243.5**	**236.2**	
	A	**546.6**	**585.3**	**494.1**	**457.9**	**108.1**	**127.9**	**113.6**	**108.3**	**120.1**	**129.3**	**127.9**	
	P	**2134.4**	**2071.0**	**2005.4**	**1767.5**	**437.3**	**445.3**	**428.9**	**456.0**	**487.6**	**540.4**	**538.1**	
	VINYON+O	**119.3**	**115.0**	**132.0**	**138.9**	**29.3**	**39.9**	**36.4**	**33.3**	**39.7**	**44.1**	**45.1**	
TOTAL DOMESTIC		**4155.9**	**3873.2**	**3724.8**	**3331.3**	**794.2**	**853.7**	**836.8**	**846.6**	**923.5**	**1040.3**	**1031.9**	
ALSO DIVIDED AS													
APPAREL		1548.6	1632.9	1487.5	1321.7	326.3	342.7	321.2	331.5	360.8	386.0	359.9	
HOME FURNISHINGS		1759.1	1478.0	1442.9	1266.4	287.9	323.8	329.1	325.6	363.9	432.9	424.8	
INDUSTRIAL		848.2	762.3	794.4	743.2	180.0	187.2	186.5	189.5	198.8	221.4	247.2	

* 1979 through 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

THOUSAND POUNDS

COUNTRY	A. CELLULOSIC YARN, MONO & STRIPS			B. NONCELLULOSIC TEXTILE YARN			C. N.C. INDUSTRIAL YARN, MONO & STRIPS			D. CELLULOSIC STAPLE+TOW			E. NONCELLULOSIC STAPLE+TOW		
	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983
CANADA	2156	1404	748	26111	22753	17738	7506	5212	3457	4628	1610	585	76689	62163	36979
COSTA RICA	15	18	20	1900	1268	619	259	854	244	47	44	+	5010	4435	2594
DOMINICAN REP.	27	185	29	1373	1771	1530	80	108	46	90	59	0	370	281	254
EL SALVADOR	147	131	2	2845	3037	950	358	903	250	481	128	43	9613	6972	3334
GUATEMALA	313	35	34	3374	3428	1607	718	568	94	122	38	300	5342	6030	2758
HAITI	11	1	0	647	797	313	22	193	351	16	2	0	15	23	7
HONDURAS	36	1	0	1131	1040	612	24	39	2	1141	0	+	674	1744	782
JAMAICA	6	34	0	517	181	289	1	6	18	0	0	+	154	6	12
LEEWARD & WINDWARD IS.	0	0	0	60	3	141	26	3	3	40	31	0	0	8	+
MEXICO	144	7	1	2364	2321	162	2166	1217	265	8916	10506	2676	9744	6871	948
NICARAGUA	0	+	0	8	4	0	3	8	0	40	0	0	964	440	7
PANAMA	10	0	0	195	72	36	65	41	8	20	0	0	220	189	39
TRINIDAD	0	0	0	11	68	78	5	9	11	4	1	+	13	7	11
OTHER	0	1	+	9	90	+	46	45	7	36	2	0	10	123	13
NORTH AMERICA	**2865**	**1817**	**834**	**40545**	**36833**	**24075**	**11279**	**9206**	**4756**	**15581**	**12421**	**3604**	**108818**	**89292**	**47738**
ARGENTINA	161	231	197	3442	3551	1827	608	200	236	1217	461	109	9444	6792	3190
BOLIVIA	33	0	0	155	46	3	2	+	16	115	0	0	1215	631	430
BRAZIL	9	17	1	1153	1232	211	4358	1793	202	2	66	1	8097	2285	176
CHILE	174	26	0	1069	198	133	219	26	27	1540	1060	1239	4392	2481	1493
COLOMBIA	4	46	157	421	1993	424	1792	1120	262	1779	3008	1196	5538	3348	1835
ECUADOR	401	820	562	1986	699	275	985	441	40	704	1145	301	7530	8098	2542
PARAGUAY	0	0	0	0	19	0	0	1	0	0	0	0	165	+	26
PERU	1	2	3	4089	1308	268	372	879	77	839	526	406	2518	1541	552
URUGUAY	21	0	0	84	56	168	52	41	+	186	54	7	859	116	23
VENEZUELA	31	13	62	3745	1586	575	1205	774	50	10555	11778	3838	541	1818	523
OTHER	0	0	0	22	0	0	1	5	0	0	0	0	+	+	0
SOUTH AMERICA	**835**	**1155**	**982**	**16166**	**10688**	**3884**	**9594**	**5280**	**910**	**16937**	**18098**	**7097**	**40299**	**27110**	**10790**
BELGIUM/LUX.	10786	9115	4788	16869	9610	8747	17871	13195	9717	339	33	8	16807	14219	7923
DENMARK	1	+	0	284	377	70	239	477	0	2	10	10	8086	8968	2314
FRANCE	46	16	20	1385	3869	1296	822	615	212	172	142	104	1121	636	256
GERMANY, FED. REP. OF	520	487	12	1422	3280	881	2277	1653	912	160	231	259	958	3026	505
GREECE	33	34	4	96	68	88	128	23	21	0	1	33	399	714	240
IRELAND	2	+	0	8404	4219	2368	438	130	61	7	0	0	642	244	351
ITALY	1	5	+	1870	3512	476	590	1492	1573	91	369	39	1392	4013	579
NETHERLANDS	1	+	+	231	758	563	255	293	92	66	19	14	1883	2623	745
UNITED KINGDOM	130	10	61	9459	8261	1523	6937	3761	2082	288	470	198	4467	5782	2569
AUSTRIA	1	0	0	139	0	0	17	11	8	123	4	3	2	38	34
CZECHOSLOVAKIA	152	141	0	0	0	0	2	22	45	0	0	0	0	44	0
FINLAND	0	3	0	2823	809	182	16	202	279	2	30	+	1504	5013	1420
GERMAN DEM. REP.	0	0	0	35	38	46	0	0	0	0	0	0	533	267	352
HUNGARY	0	2	0	536	1091	0	0	+	0	0	0	0	0	1197	0
ICELAND	1	0	0	0	1	1	0	37	0	0	0	0	86	278	135
NORWAY	0	0	0	743	224	71	3	38	3	39	32	20	383	741	93
POLAND	55	0	24	31	304	0	218	453	722	0	0	0	329	219	2408
PORTUGAL	2	0	0	76	332	298	5	65	5	0	0	2	214	782	99
ROMANIA	0	0	0	0	0	0	0	0	0	0	0	219	0	0	0
SPAIN	74	0	0	655	1279	280	1003	1331	1599	23	242	90	1297	1321	1770
SWEDEN	4	11	0	97	347	177	888	1857	783	53	40	15	1110	1163	707
SWITZERLAND	4	1	1	1160	1228	214	23	76	30	9	8	6	187[illegible]	1203	716
TURKEY	0	0	4	1041	5375	2892	11588	16178	8985	0	0	0	+	2791	3801
USSR	1342	969	527	0	0	0	1	0	0	0	0	11178	0	304	0
YUGOSLAVIA	0	12	0	1333	+	7	714	137	+	0	0	0	1483	526	220
OTHER	0	0	0	0	0	5	24	+	0	0	0	0	0	0	0
EUROPE	**13155**	**10806**	**5441**	**48689**	**44982**	**20185**	**44059**	**42046**	**27129**	**1374**	**1631**	**12198**	**44566**	**56112**	**27237**

See footnotes opposite.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

THOUSAND POUNDS

COUNTRY	A. CELLULOSIC YARN, MONO & STRIPS			B. NONCELLULOSIC TEXTILE YARN			C. N.C. INDUSTRIAL YARN, MONO & STRIPS			D. CELLULOSIC STAPLE+TOW			E. NONCELLULOSIC STAPLE+TOW		
	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983	1981	1982	6 MOS. 1983
AUSTRALIA	1554	1517	738	13682	9700	2577	1655	1373	624	349	713	165	17612	8694	2413
BANGLADESH	0	0	0	704	440	220	16	0	0	0	0	0	0	0	0
CHINA, PEOPLE'S REP. OF	4146	5164	0	151230	95109	10134	6703	404	25	2	6	0	465061	137360	32011
HONG KONG	0	5	2	32705	2174	114	515	465	108	4268	3888	0	12578	2171	1009
INDIA	0	16	+	20927	1430	162	2069	2189	1511	274	632	394	303	310	194
INDONESIA	33	48	36	238	1267	15	47	76	+	3800	3323	560	2512	743	47
IRAQ	0	0	0	125	715	87	+	0	0	0	0	0	0	0	0
ISRAEL	42	26	0	3488	5880	2324	6535	5299	4070	38	71	1	1762	1739	672
JAPAN	121	54	+	5651	2682	751	13833	8782	4677	1697	294	116	7771	7529	1664
JORDAN	0	0	0	354	652	0	0	0	0	0	0	0	+	1	0
KOREA, REP. OF	779	758	120	3398	3406	613	385	646	91	7895	8063	1098	3832	2812	3220
LEBANON	0	0	0	207	80	165	9	0	0	2	0	0	105	1	+
MALAYSIA	60	0	0	0	0	0	74	23	0	0	40	2	1504	307	42
NEW ZEALAND	25	31	37	1207	1206	361	298	226	129	63	32	79	1000	466	66
PAKISTAN	2	4	0	134	91	27	12	1	0	94	2	29	134	48	0
PHILIPPINES	28	25	7	612	476	163	312	40	27	7376	8861	1286	5425	3028	2866
QATAR	0	0	0	0	0	0	0	144	0	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	150	97	26	244	273	109	0	3	1	295	122	1
SINGAPORE	20	0	0	38	30	1	53	6	3	1333	2420	0	299	298	44
SYRIA	0	0	0	967	310	9	40	408	0	0	0	0	0	0	0
TAIWAN	198	178	13	752	485	96	2605	913	460	401	1918	373	36412	40876	26924
THAILAND	123	36	0	2	46	21	115	38	8	0	3473	0	2063	831	330
UNIT. ARAB EMIRATES	0	0	0	0	108	0	3	0	1	0	0	0	3	6	2
OTHER	0	0	0	32	13	298	8	13	38	0	6	0	53	83	0
ASIA & OCEANIA	**7131**	**7862**	**953**	**236603**	**126397**	**18164**	**35531**	**21319**	**11881**	**27592**	**33745**	**4104**	**558724**	**207425**	**71505**
ALGERIA	0	0	0	128	10133	3504	2764	+	0	0	0	0	0	7	0
CAMEROON	0	0	0	93	425	68	0	0	0	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0	0	0	0	0	0	118	0	0	0
EGYPT	0	0	2	6633	20903	4564	929	1147	0	0	999	0	574	289	1117
KENYA	0	0	0	0	0	0	1	0	+	22	0	2	394	391	0
MOROCCO	79	0	0	497	2935	0	52	597	7	8	26	0	448	147	0
MOZAMBIQUE	0	0	0	249	0	31	+	2	0	0	0	0	0	0	256
NIGERIA	0	0	0	2327	7201	3557	290	176	0	0	0	101	25	99	0
SOUTH AFRICA	641	498	340	4544	3108	2418	2338	1378	295	632	93	33	35699	27210	7070
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	2080	109
TANZANIA	0	0	0	0	935	187	0	0	1	0	0	0	0	0	0
TUNISIA	0	0	0	0	245	32	0	0	0	0	0	0	5	5	0
ZAMBIA	0	0	0	2	0	0	66	187	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	1	139	28	1	+	+	14	0	0	1041	727	1591
OTHER	0	0	3	44	74	60	1	27	+	0	0	0	88	129	0
AFRICA	**720**	**498**	**345**	**14518**	**46098**	**14449**	**6442**	**3514**	**303**	**676**	**1118**	**254**	**38274**	**31084**	**10143**
GRAND TOTAL	**24706**	**22138**	**8555**	**356521**	**264998**	**80757**	**106905**	**81365**	**44979**	**62160**	**67013**	**27257**	**790681**	**411023**	**167413**

The commodity numbers are:
A. 309.0110, .2210, 310.0006 & .0026.
B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044.
C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.
D. 309.4219, & .4222.
E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983												10 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
CELLULOSIC FIBERS															
YARN SINGLES															
TEXTURED	310.0106 & .0206	129	72	5	0	*	50	0	0	0	0			256	243
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770	576	734	1075	631			6636	5888
MONOFILAMENTS	309.0310 & .0610	0	0	0	*	0	0	24	0	0	0			24	2
STRIPS, $1 LB & UNDER	309.2000 *	0	12	3	34	38	46	17	84	65	117			416	27
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**748**			**7332**	**6160**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679	930	1236	1090	898			10150	10286
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79	5	107	70	168			732	1188
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**	**1160**	**1066**			**10882**	**11474**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0	0	38	0	36			251	359
NONCELLULOSIC FIBERS															
YARN SINGLES															
TEXTURED NYLON	310.0109 & .0209	284	338	271	266	445	501	329	242	387	526			3589	3312
POLYESTER	310.0110 & .0210	79	40	1	20	127	125	73	144	284	375			1268	419
OTHER	310.0114 & .0214	853	364	674	602	655	794	726	622	714	784			6788	2910
OTHER NYLON	310.0149 & .0249	305	1337	744	1016	1383	934	1279	795	1328	1681			10802	4322
POLYESTER	310.0150 & .0250	962	998	637	1023	1029	918	1334	874	1207	1455			10437	4419
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122	141	138	93	267			2140	1592
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73	119	156	76	229	188			1416	1323
STRIPS, OVER $1 LB	309.2100 & .2500 *	52	15	33	48	59	48	74	41	47	66			483	273
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**5342**			**36923**	**18570**
STAPLE NYLON	309.4338	1176	2537	1854	3072	2050	2518	2041	2320	1688	2360			21616	8324
POLYESTER	309.4342	1522	361	934	689	621	833	1064	924	2005	1503			10456	5921
ACRYLIC	309.4345	643	784	879	1040	1133	1769	1682	941	1339	1211			11421	5924
OLEFIN	309.4346	106	3	203	133	92	82	53	26	95	126			919	466
OTHER	309.4355	796	660	929	978	342	840	487	405	490	1437			7364	9757
GROUPED FILAMENTS															
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526	1544	1382	1111	1898			15730	5339
POLYESTER	309.3040 & .3140	*	5	6	175	101	59	30	94	317	170			957	28
ACRYLIC	309.3050 & .3150	324	881	416	570	311	397	613	463	384	879			5238	3618
OTHER	309.3065 & .3165	16	74	70	82	94	86	13	107	34	38			614	682
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**9622**			**74315**	**40059**
WASTE, NOT ADVANCED NYLON	309.6625	1197	1344	2092	1917	2281	2004	2395	2727	2584	2948			21489	19131
POLYESTER	309.6630	572	1339	909	809	677	856	1324	1151	1371	1507			10515	9199
ACRYLIC	309.6645	45	130	0	54	0	0	0	0	40	35			304	927
OTHER	309.6660	266	129	118	443	491	405	250	203	156	81			2542	2394
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26	31	41	0	31	31	72			232	21
OTHER WASTE, ADVANCED	309.7525-.7555	280	162	399	408	56	259	0	1	*	37			1602	561
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**	**3565**	**3969**	**4113**	**4182**	**4680**			**36684**	**32233**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**	**17160**	**15906**	**18234**	**21494**			**166387**	**108855**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN PLIED															
TEXTURED CELLULOSIC	310.1106	0	0	0	0	0	*	0	1	0	0			1	2
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416	575	777	665	641	881	646			6420	3672
OTHER CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2	5	1	5	8	17			82	136
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	102	129	160	214	117			1914	634
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163	54	172	73	151			911	247
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888	3184	2165	2563	3813			26519	18463
OTHER YARNS NES, INCL. CHENILLE	310.6029-.8000	375	193	325	329	417	558	164	120	134	165			2780	2529
HANDWORK YARNS & SEWING THREAD	310.9000-.9140	229	269	257	218	235	326	85	185	122	340			2266	1865
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534	550	413	189	460			4406	2268
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657	1264	939	1987	1378	1775			16104	12020
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**	**22911**	**21755**	**23796**	**28978**			**227790**	**150691**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.0**	**18.0**	**19.5**		**207.9**	**185.4**
NYLON[e] – INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	32.1	32.7		290.7	299.0
– LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	3.1	3.2	3.2		31.3	26.9
– CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	66.8	69.5		692.7	535.3
– TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	31.5	32.0	33.5		350.5	305.2
POLYESTER – INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	25.9	27.1		282.8	264.3
– LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	2.4	2.3		23.9	20.5
– TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	83.3	92.9		934.3	859.1
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	62.5	63.6	57.2	53.0		648.7	541.6
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**308.6**	**313.7**	**302.9**	**314.2**		**3254.9**	**2851.9**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**30.9**	**32.8**		**345.1**	**329.7**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	79.5	77.2		842.4	633.4
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	52.6	52.7		604.1	584.2
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	184.3	186.1		2010.8	1786.9
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	18.8	17.2		170.1	133.0
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**335.2**	**333.2**		**3627.4**	**3137.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**15.3**	**14.3**		**14.3**	**11.3**
NYLON[e] – INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	23.1	19.6		19.6	26.8
– LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	4.8	4.5		4.5	3.3
– CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	49.0	47.9		47.9	54.7
TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3	36.4		36.4	38.6
POLYESTER – INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	20.4	18.9		18.9	26.2
– LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.6	2.7		2.7	2.2
– TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	85.6	75.4		75.4	66.1
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	53.2	56.3	57.4		57.4	56.0
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**270.4**	**281.1**	**262.8**		**262.8**	**273.9**
STAPLE+TOW+FIBERFILL														
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**23.4**	**24.4**		**24.4**	**28.0**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	60.3	60.0		60.0	59.4
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	65.0	67.5		67.5	63.9
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	176.4	175.2		175.2	173.4
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.8	18.9		18.9	20.9
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**318.5**	**321.6**		**321.6**	**317.6**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	12.8	14.1	13.1			124.9	100.8
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.6	1.4	0.9			9.2	8.4
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.4	15.5	14.0			134.1	109.2
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	262.8	246.4	241.3			2345.8	2080.4

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

ANNUAL INDEX - VOLUME FIFTY-FOUR

The names of U.S. producers of man-made fibers together with the products made are listed on pages 163-168. The corresponding list of world producers is on pages 90-105. Individual producers' names do not appear in this index unless there have been news items concerning them during the year.

Monthly U.S. fiber shipments and stock data appear in the table "Selected U.S. Monthly Textile Fiber Data," which is usually found on the last page of each ***Organon*** issue. In the following index, this is called the "Monthly Table."

Each issue of the ***Organon*** contains one or more principal topics. The following is a brief outline of the major subjects covered in the 1983 issues. The numbers in parentheses are the pages of each month's issue.

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FEBRUARY	Special Feature: "The Average Weight and Width of Broad Woven Fabrics"; Special Feature: "1982: A Year in Perspective" (33-48)
MARCH	Special Feature: "1982 Import-Export Review" (49-64)
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AUGUST	Quarterly U.S. Man-Made Fiber Review (129-136)
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NOVEMBER	Special Feature: "1983 Listing of U.S. Man-Made Fiber Producers" (161-176)
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Textile Organon

Vol 55, No. 1 □ January 1984

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MONTHLY REVIEW

Highlights

Total Shipments of Noncellulosic Staple+Tow Rose 16% in 1983 . . . see page 2.

Shipments of Nylon Carpet Yarn Rose 31% in 1983 . . . see page 2.

Third Quarter 1983 Imports of Man-Made Fiber Manufactures Increased to 146.5 Million Pounds . . . see page 9.

Textile Organon Features:
Capacity Utilization Review . . . begins on page 3.
International Trade Supplement . . . begins on page 10.

Nylon yarn shipments to the carpet trades rose for the second straight month, although shipments of nylon textile and industrial yarn fell in December.

Shipments of polyester textile yarn declined marginally in December, and shipments of polyester industrial yarn fell to the lowest level since July.

Olefin yarn+monofilament shipments increased in December, but shipments of olefin+vinyon staple+tow decreased to the lowest level since July.

December shipments of nylon staple+tow fell to the lowest levels since February, and shipments of acrylic+modacrylic staple+tow fell to the lowest level since July. However, shipments of polyester staple+tow rose for the second consecutive month.

(see Yearly Review on page 2)

TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *Percent*

ITEM	1983 DEC	1983 NOV	%[a]	1982 DEC	%[b]	YEAR TO DATE 1983	YEAR TO DATE 1982	%[c]
YARN+MONOFILAMENTS								
ACETATE	**17.9**	**19.5**	*-8.2*	**13.4**	*+33.6*	**225.8**	**198.8**	*+13.6*
NYLON[d] INDUSTRIAL	27.4	32.7	*-16.2*	25.5	*+7.5*	318.1	324.5	*-2.0*
LOW DENIER INDUSTRIAL	4.2	3.2	*+31.3*	2.6	*+61.5*	35.5	29.5	*+20.3*
CARPET	69.9	69.5	*+0.6*	46.8	*+49.4*	762.6	582.1	*+31.0*
TEXTILE	30.9	33.5	*-7.8*	26.4	*+17.0*	381.4	331.6	*+15.0*
POLYESTER INDUSTRIAL	24.8	27.1	*-8.5*	23.7	*+4.6*	307.6	288.0	*+6.8*
LOW DENIER INDUSTRIAL	2.1	2.3	*-8.7*	1.9	*+10.5*	26.0	22.4	*+16.1*
TEXTILE	92.8	92.9	*-0.1*	68.0	*+36.5*	1027.1	927.1	*+10.8*
OLEFIN	58.2	53.0	*+9.8*	50.7	*+14.8*	706.9	592.3	*+19.3*
TOTAL NONCELLULOSIC ABOVE	**310.3**	**314.2**	*-1.2*	**245.6**	*+26.3*	**3565.2**	**3097.5**	*+15.1*
STAPLE+TOW+FIBERFILL								
RAYON	**32.3**	**32.8**	*-1.5*	**30.5**	*+5.9*	**377.4**	**360.2**	*+4.8*
NYLON[d]	68.8	77.2	*-10.9*	56.5	*+21.8*	911.2	689.9	*+32.1*
ACRYLIC+MODACRYLIC	50.6	52.7	*-4.0*	48.0	*+5.4*	654.7	632.2	*+3.6*
POLYESTER	187.0	186.1	*+0.5*	154.7	*+20.9*	2197.8	1941.6	*+13.2*
OLEFIN+VINYON	16.2	17.2	*-5.8*	10.8	*+50.0*	186.3	143.8	*+29.6*
TOTAL NONCELLULOSIC ABOVE	**322.6**	**333.2**	*-3.2*	**270.0**	*+19.5*	**3950.0**	**3407.5**	*+15.9*

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. 1983 data for Nylon exclude Aramid, but Aramid is included in 1982.
Also see footnotes on last page of this issue.

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Textile Organon

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TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM		1983	1982	%[a]	1981	%[b]	1980	%[c]
YARN+MONOFILAMENTS								
ACETATE		**225.8**	**198.8**	*+13.6*	**261.1**	*-13.5*	**301.9**	*-25.2*
NYLON[d]	INDUSTRIAL	318.1	324.5	*-2.0*	402.9	*-21.0*	446.6	*-28.8*
	LOW DENIER INDUSTRIAL	35.5	29.5	*+20.3*	35.1	*+1.1*	35.8	*-0.8*
	CARPET	762.6	582.1	*+31.0*	677.0	*+12.6*	756.9	*+0.8*
	TEXTILE	381.4	331.6	*+15.0*	418.0	*-8.8*	447.6	*-14.8*
POLYESTER	INDUSTRIAL	307.6	288.0	*+6.8*	307.1	*+0.2*	294.3	*+4.5*
	LOW DENIER INDUSTRIAL	26.0	22.4	*+16.1*	27.6	*-5.8*	29.4	*-11.6*
	TEXTILE	1027.1	927.1	*+10.8*	1229.3	*-16.4*	1172.8	*-12.4*
OLEFIN		706.9	592.3	*+19.3*	648.1	*+9.1*	632.4	*+11.8*
TOTAL NONCELLULOSIC ABOVE		**3565.2**	**3097.5**	*+15.1*	**3745.1**	*-4.8*	**3815.8**	*-6.6*
STAPLE+TOW+FIBERFILL								
RAYON		**377.4**	**360.2**	*+4.8*	**456.7**	*-17.4*	**451.7**	*-16.4*
NYLON[d]		911.2	689.9	*+32.1*	721.5	*+26.3*	743.1	*+22.6*
ACRYLIC+MODACRYLIC		654.7	632.2	*+3.6*	694.5	*-5.7*	771.1	*-15.1*
POLYESTER		2197.8	1941.6	*+13.2*	2598.8	*-15.4*	2539.4	*-13.5*
OLFFIN+VINYON		186.3	143.8	*+29.6*	133.5	*+39.6*	118.7	*+57.0*
TOTAL NONCELLULOSIC ABOVE		**3950.0**	**3407.5**	*+15.9*	**4148.3**	*-4.8*	**4172.3**	*-5.3*

a. Percent change from 1982 to 1983.
b. Percent change from 1981 as compared to 1983 only.
c. Percent change from 1980 as compared to 1983 only.
d. 1983 data for Nylon excludes Aramid but Aramid is included for prior years.
Also see footnotes on last page of this issue.

Textile Organon
Feature

Capacity Utilization Review

Editor's Note — *Where 1982 proved to be a poor year in terms of capacity utilization, 1983 showed signs of a strong recovery. In 1982, noncellulosic fibers maintained a capacity utilization rate of 69%, but in 1983 these fibers registered a rate just over 80%.*

Although noncellulosic fiber capacity rose marginally from 1982 to 1983, production rose nearly 17%, reversing a three year decline in production.

During the period covered in this **Feature**, *1970-1983, several significant trends surfaced, such as the steady growth of textile glass production from 1970 (an increase of 92% by 1982) and the decline of cellulosic fiber production (a decrease of 57% by 1982).*

It should also be noted that since 1970 growth in noncellulosic fiber capacity has fallen: from a high of 18% growth in 1972, to the marginal growth in 1983 of just ½%. However, capacity utilization rates remained relatively stable at the 70%-80% range.

Six tables comprise the data base for this report: Review of Production, Producing Capacity & Capacity Utilization; Summary of Annual Production (1970-1983); Production of Noncellulosic, Cellulosic & Textile Glass Fibers as a Percentage of Total Man-Made Fiber Production; Summary of Producing Capacities (1970-1983); Producing Capacity of Noncellulosic, Cellulosic & Textile Glass Fibers as a Percentage of Total Man-Made Fiber Capacity; and Summary of Capacity Utilization Rates (1970-1983).

Review of Production, Producing Capacity & Capacity Utilization ties the three major components of this report -- production, producing capacity & capacity utilization -- into one table for easy reference and comprehension.

For the purpose of the report, **November** Textile Economics Bureau capacity survey data are used as the annual capacity figures.

The tables on pages 6 and 7 present the capacity data for 1970-1983 and percent changes over those years.

In similar fashion, the tables on pages 4 and 5 list the production data for the same period and percent changes for those years.

The table on page 8 gives the capacity utilization rates by individual as well as generic fiber type.

REVIEW OF PRODUCTION, PRODUCING CAPACITY & CAPACITY UTILIZATION

MILLION POUNDS & *Percent*

FIBER TYPE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
NONCELLULOSIC														
PRODUCTION	3,572	4,283	5,346	6,297	6,212	5,875	6,615	7,312	7,768	8,418	7,874	7,982	6,442	7,527
CAPACITY	4,844	5,397	6,376	7,022	7,756	8,420	9,116	9,352	9,555	9,784	9,627	9,696	9,334	9,367
UTILIZATION (%)	*73.7*	*79.4*	*83.8*	*89.7*	*80.1*	*69.8*	*72.6*	*78.2*	*81.3*	*86.0*	*81.8*	*82.3*	*69.0*	*80.4*
CELLULOSIC														
PRODUCTION	1,373	1,391	1,394	1,357	1,199	749	841	888	905	930	806	770	584	NA
CAPACITY	1,713	1,615	1,513	1,493	1,373	1,239	1,193	1,063	1,086	1,109	909	898	895	845
UTILIZATION (%)	*80.2*	*86.1*	*92.1*	*90.9*	*87.3*	*60.5*	*70.5*	*83.5*	*83.3*	*83.9*	*88.7*	*85.7*	*65.2*	*NA*
TEXTILE GLASS														
PRODUCTION	467	468	572	688	683	547	676	787	923	1,014	867	1,041	899	NA
CAPACITY	657	696	721	737	821	909	893	1,002	1,118	1,305	1,473	1,561	1,718	1,618
UTILIZATION (%)	*71.1*	*67.2*	*79.3*	*93.3*	*83.2*	*60.2*	*75.7*	*78.5*	*82.6*	*77.7*	*58.9*	*66.7*	*52.3*	*NA*
TOTAL MAN-MADE FIBERS (incl. Glass)														
PRODUCTION	5,412	6,142	7,312	8,342	8,094	7,171	8,132	8,987	9,596	10,362	9,547	9,793	7,925	NA
CAPACITY	7,214	7,708	8,610	9,252	9,950	10,568	11,202	11,417	11,759	12,198	12,009	12,155	11,947	11,830
UTILIZATION (%)	*75.0*	*79.7*	*84.9*	*90.2*	*81.3*	*67.9*	*72.6*	*78.7*	*81.6*	*84.9*	*79.5*	*80.6*	*66.3*	*NA*
TOTAL MAN-MADE FIBERS (excl. Glass)														
PRODUCTION	4,945	5,674	6,740	7,654	7,411	6,624	7,456	8,200	8,673	9,348	8,680	8,752	7,026	NA
CAPACITY	6,557	7,012	7,889	8,515	9,129	9,659	10,309	10,415	10,641	10,893	10,536	10,594	10,229	10,212
UTILIZATION (%)	*75.4*	*80.9*	*85.4*	*89.9*	*81.2*	*68.6*	*72.3*	*78.7*	*81.5*	*85.8*	*82.4*	*82.6*	*68.7*	*NA*

NA means not available.

SUMMARY OF ANNUAL PRODUCTION (1970-1983)

MILLION POUNDS

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL CELL.
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1970	268	463	731	607	35	642	**1,373**
1971	304	449	753	612	26	638	**1,391**
1972	252	401	653	713	28	741	**1,394**
1973	198	437	635	697	25	722	**1,357**
1974	172	362	534	645	20	665	**1,199**
1975	65	301	366	371	12	383	**749**
1976	68	287	355	475	11	486	**841**
1977	71	282	353	527	8	535	**888**
1978	62	301	363	535	7	542	**905**
1979	57	317	374	549	7	556	**930**
1980	47	309	356	443	7	450	**806**
1981	48	257	305	461	4	465	**770**
1982	33	195	228	355	1	356	**584**
1983	NA	228	NA	375	NA	NA	**NA**

	NONCELLULOSIC FIBERS															TOTAL NON-CELL.	TEXTILE GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW							
	NYLON+ARAMID[a]				POLYESTER			OLEFIN	TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR.	OLEFIN+ VINYON	TOTAL STAPLE			
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL										
1970				1,138			441	200	1,779	217	1,022	492	62	1,793		**3,572**	467
1971		DETAIL		1,238		DETAIL	678	262	2,178	357	1,143	545	60	2,105		**4,283**	468
1972		NOT		1,464		NOT	952	347	2,763	511	1,376	626	70	2,583		**5,346**	572
1973		AVAILABLE		1,583		AVAILABLE	1,320	424	3,327	592	1,568	742	68	2,970		**6,297**	688
1974				1,560			1,408	463	3,431	564	1,518	631	68	2,781		**6,212**	683
1975	348	417	531	1,296	271	1,188	1,459	443	3,198	562	1,536	525	54	2,677		**5,875**	547
1976	390	429	554	1,373	342	1,063	1,405	516	3,294	703	1,936	621	61	3,321		**6,615**	676
1977	401	457	654	1,512	360	1,232	1,592	554	3,658	814	2,050	709	81	3,654		**7,312**	787
1978	438	503	713	1,654	355	1,209	1,564	597	3,815	896	2,236	726	95	3,953		**7,768**	923
1979	499	528	755	1,782	373	1,342	1,715	639	4,136	939	2,462	761	120	4,282		**8,418**	1,014
1980	437	466	728	1,631	286	1,176	1,462	632	3,725	727	2,527	779	116	4,149		**7,874**	867
1981	410	461	710	1,581	309	1,257	1,566	643	3,790	752	2,607	691	142	4,192		**7,982**	1,041
1982	315	354	573	1,242	292	921	1,213	585	3,040	685	1,955	624	138	3,402		**6,442**	899
1983	315	415	762	1,492	299	1,060	1,359	709	3,560	926	2,184	671	186	3,967		**7,527**	NA

NA means not available.

a. 1983 excludes Aramid.

Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments.

Acetate includes diacetate and triacetate. The acetate staple+tow data do not include poundages of tow for cigarette filtration.

Olefin includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

PRODUCTION OF NONCELLULOSIC, CELLULOSIC & TEXTILE GLASS FIBERS AS A PERCENTAGE OF TOTAL MAN-MADE FIBER PRODUCTION

MILLION POUNDS & *Percent*

YEAR	NON-CELLULOSIC	%	CELLULOSIC	%	TEXTILE GLASS	%	TOTAL MAN-MADE FIBER	%
1970	3,572	*66.9*	1,373	*25.4*	467	*8.6*	5,412	*100.0*
1971	4,283	*69.7*	1,391	*22.7*	468	*7.6*	6,142	*100.0*
1972	5,346	*73.1*	1,394	*19.1*	572	*7.8*	7,312	*100.0*
1973	6,297	*75.5*	1,357	*16.3*	688	*8.2*	8,342	*100.0*
1974	6,212	*76.7*	1,199	*14.8*	683	*8.5*	8,094	*100.0*
1975	5,875	*81.9*	749	*10.5*	547	*7.6*	7,171	*100.0*
1976	6,615	*81.4*	841	*10.3*	676	*8.3*	8,132	*100.0*
1977	7,312	*81.4*	888	*9.9*	787	*8.7*	8,987	*100.0*
1978	7,768	*80.9*	905	*9.5*	923	*9.6*	9,596	*100.0*
1979	8,418	*81.2*	930	*9.0*	1,014	*9.8*	10,362	*100.0*
1980	7,874	*82.5*	806	*8.4*	867	*9.1*	9,547	*100.0*
1981	7,982	*81.5*	770	*7.9*	1,041	*10.6*	9,793	*100.0*
1982	6,442	*81.3*	584	*7.4*	899	*11.3*	7,925	*100.0*
1983	7,527	*NA*	NA	*NA*	NA	*NA*	NA	*100.0*

PERCENT CHANGE IN PRODUCTION

YEAR	% CHANGE FROM 1970				% CHANGE FROM YEAR TO YEAR			
	NON-CELLULOSIC	CELLULOSIC	TEXTILE GLASS	TOTAL MAN-MADE FIBER	NON-CELLULOSIC	CELLULOSIC	TEXTILE GLASS	TOTAL MAN-MADE FIBER
1970	—	—	—	—	--	--	--	--
1971	+19.9	+1.3	+0.1	+13.5	+19.9	+1.3	+0.1	+13.5
1972	+49.7	+1.5	+22.5	+35.1	+24.8	+0.2	+22.2	+19.0
1973	+76.3	-1.2	+47.3	+54.1	+17.8	-2.6	+20.3	+14.1
1974	+73.9	-12.7	+46.3	+49.5	-1.3	-11.6	-0.7	+3.0
1975	+64.5	-45.4	+17.1	+32.5	-5.4	-37.5	-19.9	-11.4
1976	+85.2	-38.7	+44.8	+50.2	+12.6	+12.2	+23.6	+13.4
1977	+104.7	-35.3	+68.5	+66.0	+10.5	+5.6	+16.4	+10.5
1978	+117.5	-34.1	+97.6	+77.3	+6.2	+1.9	+17.3	+6.8
1979	+135.7	-32.3	+117.1	+91.5	+8.4	+2.8	+9.9	+8.0
1980	+120.4	-41.3	+85.7	+76.4	-6.5	-13.3	-14.5	-7.9
1981	+123.5	-43.9	+122.9	+80.9	-1.4	-4.5	+20.1	+2.6
1982	+80.3	-57.5	+92.5	+46.4	-19.3	-24.1	-13.6	-19.1
1983	+110.7	NA	NA	NA	+16.8	NA	NA	NA

All data presented are taken from the table opposite.

SUMMARY OF PRODUCING CAPACITIES (1970-1983)

MILLION POUNDS

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
YEAR[a]	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	TOTAL CELL.
1970	360	494	854	819	40	859	**1,713**
1971	337	490	827	757	31	788	**1,615**
1972	235	486	721	761	31	792	**1,513**
1973	224	473	697	768	28	796	**1,493**
1974	172	449	621	724	28	752	**1,373**
1975	100	384	484	737	18	755	**1,239**
1976	85	399	484	691	18	709	**1,193**
1977	85	315	400	655	8	663	**1,063**
1978	83	330	413	665	8	673	**1,086**
1979	75	355	430	671	8	679	**1,109**
1980	63	324	387	514	8	522	**909**
1981	52	332	384	509	5	514	**898**
1982	63	318	381	510	4	514	**895**
1983	63	268	331	510	4	514	**845**

	NONCELLULOSIC FIBERS															
	YARN+MONOFILAMENTS									STAPLE+TOW						
	NYLON+ARAMID[b]				POLYESTER											
YEAR[a]	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN	NYLON+ ARAMID[b]	POLY- ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON	TOTAL STAPLE	TOTAL NON-CELL.	TEXTILE GLASS FIBER
1970	480	569	428	1,477	294	316	610	335	2,422	280	1,370	659	113	2,422	**4,844**	657
1971	463	522	531	1,516	337	559	896	365	2,777	460	1,355	698	107	2,620	**5,397**	696
1972	469	559	626	1,654	364	892	1,256	432	3,342	602	1,571	754	107	3,034	**6,376**	721
1973	466	534	707	1,707	385	1,118	1,503	510	3,720	701	1,709	787	105	3,302	**7,022**	737
1974	494	552	770	1,816	405	1,351	1,756	600	4,172	757	1,899	824	104	3,584	**7,756**	821
1975	503	553	786	1,842	391	1,576	1,967	815	4,624	827	2,021	827	121	3,796	**8,420**	909
1976	519	552	787	1,858	442	1,701	2,143	861	4,862	910	2,355	869	120	4,254	**9,116**	893
1977	523	558	829	1,910	443	1,698	2,141	907	4,958	939	2,470	869	116	4,394	**9,352**	1,002
1978	510	565	908	1,983	443	1,643	2,086	915	4,984	1,023	2,554	865	129	4,571	**9,555**	1,118
1979	513	579	950	2,042	443	1,699	2,142	922	5,106	1,020	2,673	839	146	4,678	**9,784**	1,305
1980	515	551	910	1,976	400	1,637	2,037	900	4,913	991	2,759	830	134	4,714	**9,627**	1,473
1981	514	553	893	1,960	316	1,481	1,797	989	4,746	1,010	2,839	835	266	4,950	**9,696**	1,561
1982	474	513	925	1,912	338	1,265	1,603	1,038	4,553	978	2,700	832	271	4,781	**9,334**	1,718
1983	440	494	950	1,884	337	1,170	1,507	1,099	4,490	1,017	2,754	826	280	4,877	**9,367**	1,618

a. All annual capacity data are as of November of that year.

b. 1983 excludes Aramid.

The data do not include the poundages of acetate tow for cigarette filtration.

IND means industrial yarn and monofil, i.e., coarser than 500 denier with an Instron tenacity of 7 grams or more per denier.

CARP means bulked continuous filament yarn for carpets.

TEX means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles and film fiber used for decorative or tying ribbon, etc. Olefin monofil includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated film.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

PRODUCING CAPACITY OF NONCELLULOSIC, CELLULOSIC & TEXTILE GLASS FIBERS AS A PERCENTAGE OF TOTAL MAN-MADE FIBER CAPACITY

MILLION POUNDS & *Percent*

YEAR	NON-CELLULOSIC	%	CELLULOSIC	%	TEXTILE GLASS	%	TOTAL MAN-MADE FIBER	%
1970	4,844	*67.2*	1,713	*23.7*	657	*9.1*	7,214	*100.0*
1971	5,397	*70.0*	1,615	*21.0*	696	*9.0*	7,708	*100.0*
1972	6,376	*74.0*	1,513	*17.6*	721	*8.4*	8,610	*100.0*
1973	7,022	*75.9*	1,493	*16.1*	737	*8.0*	9,252	*100.0*
1974	7,756	*77.9*	1,373	*13.8*	821	*8.3*	9,950	*100.0*
1975	8,420	*79.7*	1,239	*11.7*	909	*8.6*	10,568	*100.0*
1976	9,116	*81.4*	1,193	*10.6*	893	*8.0*	11,202	*100.0*
1977	9,352	*81.9*	1,063	*9.3*	1,002	*8.8*	11,417	*100.0*
1978	9,555	*81.3*	1,086	*9.2*	1,118	*9.5*	11,759	*100.0*
1979	9,784	*80.2*	1,109	*9.1*	1,305	*10.7*	12,198	*100.0*
1980	9,627	*80.2*	909	*7.5*	1,473	*12.3*	12,009	*100.0*
1981	9,696	*79.8*	898	*7.4*	1,561	*12.8*	12,155	*100.0*
1982	9,334	*78.1*	895	*7.5*	1,718	*14.4*	11,947	*100.0*
1983	9,367	*79.2*	845	*7.1*	1,618	*13.7*	11,830	*100.0*

PERCENT CHANGE IN PRODUCING CAPACITY

	% CHANGE FROM 1970				% CHANGE FROM YEAR TO YEAR			
YEAR	NON-CELLULOSIC	CELLULOSIC	TEXTILE GLASS	TOTAL MAN-MADE FIBER	NON-CELLULOSIC	CELLULOSIC	TEXTILE GLASS	TOTAL MAN-MADE FIBER
1970	—	—	—	—	—	—	—	—
1971	+11.4	-5.7	+5.9	+6.8	+11.4	-5.7	+5.9	+6.8
1972	+31.6	-11.7	+9.7	+19.4	+18.1	-6.3	+3.6	+11.7
1973	+45.0	-12.8	+12.2	+28.3	+10.1	-1.3	+2.2	+7.5
1974	+60.1	-19.8	+25.0	+37.9	+10.5	-8.0	+11.4	+7.5
1975	+73.8	-27.7	+38.4	+46.5	+8.6	-9.8	+10.7	+6.2
1976	+88.2	-30.4	+35.9	+55.3	+8.3	-3.6	-1.8	+6.0
1977	+93.1	-37.9	+52.5	+58.3	+2.6	-10.9	+12.2	+1.9
1978	+97.2	-36.6	+70.2	+63.0	+2.2	+2.2	+11.6	+3.0
1979	+102.0	-35.3	+98.6	+69.1	+2.4	+2.1	+16.7	+3.7
1980	+98.7	-46.9	+124.2	+66.5	-1.6	-18.0	+12.9	-1.5
1981	+100.2	-47.6	+137.6	+68.5	+0.7	-1.2	+6.0	+1.2
1982	+92.7	-47.8	+161.5	+65.6	-3.7	-0.3	+10.1	-1.7
1983	+93.4	-50.7	+146.3	+64.0	+0.4	-5.6	-5.8	-1.0

All data presented are taken from the table opposite.

SUMMARY OF CAPACITY UTILIZATION RATES (1970-1983)

PERCENT (%)

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL CELL.
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1970	74.4	93.7	85.6	74.1	87.5	74.7	**80.2**
1971	90.2	91.6	91.1	80.8	83.9	81.0	**86.1**
1972	107.2	82.5	90.6	93.7	90.3	93.6	**92.1**
1973	88.4	92.4	91.1	90.8	89.3	90.7	**90.9**
1974	100.0	80.6	86.0	89.1	71.4	88.4	**87.3**
1975	65.0	78.4	75.6	50.3	66.7	50.7	**60.5**
1976	80.0	71.9	73.3	68.7	61.1	68.5	**70.5**
1977	83.5	89.5	88.3	80.5	100.0	80.7	**83.5**
1978	74.7	91.2	87.9	80.5	87.5	80.5	**83.3**
1979	76.0	89.3	87.0	81.8	87.5	81.9	**83.9**
1980	74.6	95.4	92.0	86.2	87.5	86.2	**88.7**
1981	92.3	77.4	79.4	90.6	80.0	90.5	**85.7**
1982	52.4	61.3	59.8	69.6	25.0	69.3	**65.2**
1983	NA	85.1	NA	73.5	NA	NA	**NA**

	NONCELLULOSIC FIBERS															TOTAL NON-CELL.	TEXTILE GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW							
	NYLON+ARAMID[a]				POLYESTER			OLEFIN	TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR.	OLEFIN+ VINYON	TOTAL STAPLE			
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL										
1970		DETAIL NOT AVAILABLE		77.0		DETAIL NOT AVAILABLE	72.3	59.7	73.5	77.5	74.6	74.7	54.9	74.0	**73.7**	71.1
1971				81.7			75.7	71.8	78.4	77.6	84.4	78.1	56.1	80.3	**79.4**	67.2
1972				88.5			75.8	80.3	82.7	84.9	87.6	83.0	65.4	85.1	**83.8**	79.3
1973				92.7			87.8	83.1	89.4	84.5	91.7	94.3	64.8	89.9	**89.7**	93.3
1974				85.9			80.2	77.2	82.2	74.5	79.9	76.6	65.4	77.6	**80.1**	83.2
1975	69.2	75.4	67.6	70.4	69.3	75.4	74.2	54.4	69.2	68.0	76.0	63.5	44.6	70.5	**69.8**	60.2
1976	75.1	77.7	70.4	73.9	77.4	62.5	65.6	59.9	67.7	77.3	82.2	71.5	50.8	78.1	**72.6**	75.7
1977	76.7	81.9	78.9	79.2	81.3	72.6	74.4	61.1	73.8	86.7	83.0	81.6	69.8	83.2	**78.2**	78.5
1978	85.9	89.0	78.5	83.4	80.1	73.6	75.0	65.2	76.5	87.6	87.5	83.9	73.6	86.5	**81.3**	82.6
1979	97.3	91.2	79.5	87.3	84.2	79.0	80.1	69.3	81.0	92.1	92.1	90.7	82.2	91.5	**86.0**	77.7
1980	84.9	84.6	80.0	82.5	71.5	71.8	71.8	70.2	75.8	73.4	91.6	93.9	86.6	88.0	**81.8**	58.9
1981	79.8	83.4	79.5	80.7	97.8	84.9	87.1	65.0	79.9	74.5	91.8	82.8	53.4	84.7	**82.3**	66.7
1982	66.4	69.0	61.9	64.9	86.4	72.8	75.7	56.3	66.8	70.0	72.4	75.0	50.9	71.1	**69.0**	52.3
1983	71.6	84.0	80.2	79.2	88.7	90.6	90.2	64.5	79.3	91.0	79.3	81.2	66.4	81.3	**80.3**	NA

NA means not available.

[a] 1983 excludes Aramid.

All percentages are tabulated using the tables on pages 4 and 6.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	2ND Q 1982			3RD Q 1982			4TH Q 1982			1ST Q 1983			2ND Q 1983			3RD Q 1983		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	2.1	4.5	2.4 **E**	1.6	6.0	4.4 **E**	1.3	4.2	2.9 **E**	2.0	5.1	3.1 **E**	2.0	3.4	1.4 **E**	2.6	3.8	1.2 **E**
STAPLE+TOW[b]	2.7	14.9	12.2 **E**	4.1	17.4	13.3 **E**	2.8	19.9	17.1 **E**	2.3	8.6	6.3 **E**	4.1	18.7	14.6 **E**	3.5	9.2	5.7 **E**
WASTE	0.2	1.3	1.1 **E**	0.1	0.4	0.3 **E**	0	0.5	0.5 **E**	+	0.4	0.4 **E**	0.1	0.2	0.1 **E**	+	0.2	0.2 **E**
SUBTOTAL ABOVE	**5.0**	**20.7**	**15.7 E**	**5.8**	**23.8**	**18.0 E**	**4.1**	**24.6**	**20.5 E**	**4.3**	**14.1**	**9.8 E**	**6.2**	**22.3**	**16.1 E**	**6.1**	**13.2**	**7.1 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	4.9	114.8	109.9 **E**	6.9	62.4	55.5 **E**	7.8	59.8	52.0 **E**	9.1	64.4	55.3 **E**	11.2	61.3	50.1 **E**	11.3	50.6	39.3 **E**
STAPLE+TOW	10.7	85.6	74.9 **E**	15.4	87.0	71.6 **E**	15.4	89.8	74.4 **E**	18.8	88.6	69.8 **E**	24.2	88.8	64.6 **E**	21.6	60.4	38.8 **E**
WASTE	10.4	23.9	13.5 **E**	9.3	13.7	4.4 **E**	7.8	20.0	12.2 **E**	9.0	18.0	9.0 **E**	10.8	16.3	5.5 **E**	12.3	16.7	4.4 **E**
SUBTOTAL ABOVE	**26.0**	**224.3**	**198.3 E**	**31.6**	**163.1**	**131.5 E**	**31.0**	**169.6**	**138.6 E**	**36.9**	**171.0**	**134.1 E**	**46.2**	**166.4**	**120.2 E**	**45.2**	**127.7**	**82.5 E**
TOTAL FIBER ABOVE[c]	**31.0**	**245.0**	**214.0 E**	**37.4**	**186.9**	**149.5 E**	**35.1**	**194.2**	**159.1 E**	**41.2**	**185.1**	**143.9 E**	**52.4**	**188.7**	**136.3 E**	**51.3**	**140.9**	**89.6 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	0.3	1.2	0.9 **E**	1.0	1.9	0.9 **E**	0.4	1.1	0.7 **E**	1.4	1.1	0.3 **I**	1.5	1.0	0.5 **I**	1.2	1.1	0.1 **I**
SPUN YARNS	8.7	8.2	0.5 **I**	9.0	6.5	2.5 **I**	9.4	5.9	3.5 **I**	7.8	2	0.6 **I**	10.2	7.6	2.6 **I**	12.9	5.5	7.4 **I**
THREAD & CRAFT YARNS	0.6	1.6	1.0 **E**	0.4	1.0	0.6 **E**	0.7	1.3	0.6 **E**	0.8	1.3	0.5 **E**	0.8	1.4	0.6 **E**	0.7	1.1	0.4 **E**
TIRE CORD & FABRIC	+	7.7	7.7 **E**	0.3	6.2	5.9 **E**	0.7	5.3	4.6 **E**	0.6	4.4	3.8 **E**	0.5	5.2	4.7 **E**	+	6.8	6.8 **E**
WOVEN FABRIC	24.6	36.1	11.5 **E**	26.1	31.3	5.2 **E**	21.4	33.9	12.5 **E**	25.1	28.3	3.2 **E**	34.9	29.0	5.9 **I**	33.6	25.5	8.1 **I**
KNIT FABRIC	0.6	3.5	2.9 **E**	0.6	4.2	3.6 **E**	0.5	4.3	3.8 **E**	0.5	3.5	3.0 **E**	0.5	3.5	3.0 **E**	0.5	3.7	3.2 **E**
NARROW FABRICS	3.2	7.5	4.3 **E**	2.5	6.7	4.2 **E**	2.0	6.1	4.1 **E**	3.7	5.1	1.4 **E**	3.2	6.4	3.2 **E**	3.0	7.6	4.6 **E**
APPAREL KNIT	45.7	21.3	97.6 **I**	65.8	17.9	135.0 **I**	47.4	14.5	97.5 **I**	48.0	17.6	105.2 **I**	64.5	17.0	126.1 **I**	77.3	17.6	157.6 **I**
NOT KNIT	73.2			87.1			64.6			74.8			78.6			97.9		
HOME FURNISHINGS[e]	17.2	19.8	18.0 **E**	19.0	14.1	8.2 **E**	16.0	14.7	12.0 **E**	23.2	15.7	7.3 **E**	28.7	36.5	22.3 **E**	30.1	27.3	11.7 **E**
OTHER		15.4			13.1			13.3			14.8			14.5			14.5	
TOTAL MANUFACTURES	**174.1**	**122.3**	**51.8 I**	**211.8**	**102.9**	**108.9 I**	**163.1**	**100.4**	**62.7 I**	**185.9**	**99.0**	**86.9 I**	**223.4**	**122.1**	**101.3 I**	**257.2**	**110.7**	**146.5 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**205.1**	**367.3**	**162.2 E**	**249.2**	**289.8**	**40.6 E**	**198.2**	**294.6**	**96.4 E**	**227.1**	**284.1**	**57.0 E**	**275.8**	**310.8**	**35.0 E**	**308.5**	**251.6**	**56.9 I**
COTTON MANUFACTURES[f]	**221.3**	**73.3**	**148.0 I**	**250.0**	**59.1**	**190.9 I**	**214.4**	**55.6**	**158.8 I**	**273.8**	**56.0**	**217.8 I**	**265.2**	**55.6**	**209.6 I**	**305.2**	**51.9**	**253.3 I**
WOOL MANUFACTURES[g]	**29.6**	**3.5**	**26.1 I**	**37.0**	**2.9**	**34.1 I**	**23.9**	**2.5**	**21.4 I**	**25.0**	**10.8**	**14.2 I**	**35.5**	**13.5**	**22.0 I**	**49.8**	**5.8**	**44.0 I**

SOURCES: The man made fiber import and export data are from the U.S. Bureau of the Census. The man made, cotton and wool manufactures data are from *Cotton and Wool Outlook & Situation*, a publication of the U.S. Department of Agriculture.

The total man made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance; **I** is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man Made Fiber Above" on page 15 issue for imports and page 171 of the November 1983 issue for exports.

d. Man made fiber equivalent.

e. These import data do not reflect significant poundages of luggage. On a monthly basis, from May 1982 - September 1983, the poundages are (in millions of pounds): 8.0, 17.9, 17.2, 17.2, 14.0, 12.3, 12.6, 10.0, 12.9, 12.6, 14.5, 12.5, 13.0 & 15.7.

f. Raw cotton equivalent. Data are similar to those on page 39 of the March 1983 ***Textile Organon***.

g. Raw wool content. The data differ from those on page 39 of the March 1983 ***Textile Organon*** to the extent that noils and waste are included here.

Textile Organon
Feature

International Trade Supplement

Editor's Note — *In previous years, the following international trade tables were published in different issues of the* **Textile Organon**. *However, this year they are grouped into one issue to give a better overview of the historical trends of the international trade in man-made fibers. In addition, these tables should be used as a supplement to the production and producing capacity data presented in the July 1983 issue of the* **Organon**.

SUMMARY OF EXPORTS

The following table presents a summary of the export distribution of the selected producing countries for the years 1979-1982. For this period, the net export balances for these countries were, respectively, 3,157.0, 3,357.0, 3,646.0 and 2,776.0 million pounds. These exports went to Eastern Europe and the People's Republic of China, to other producing countries and to countries which do not produce man-made fibers; in the table, these poundages are presented, respectively, on lines 2, 4 and 3.

Concerning other aspects of the table, line 4 is derived by subtracting the exports of lines 2 and 3 from the net exports shown in line 1. Line 5 shows the total imports of other producing countries (excluding Eastern Europe and the People's Republic of China). Line 6 is simply the difference between line 4 and 5. These poundages may include: a) imports from Eastern Europe and the People's Republic of China, b) imports from producing countries other than the selected producing countries and c) imports of textured and spun yarn from "nonproducing" countries.

It should be noted that line 1 is taken from the July issues of 1980 and 1981, the September 1982 issue and the tables on pages 11-13 of this issue of the ***Organon***. The July issues and this issue show the data in millions of pounds, whereas the September issue presents the data in thousands of metric tons, which were converted to millions of pounds for the purpose of this summary table.

	1979	1980	1981	1982
1. Net Exports of the 16 Producing Countries[a]	3,157.0	3,357.0	3,636.0	2,776.0
As Distributed to:				
2. Eastern Europe & People's Republic of China	865.8	1,4080.5	1,845.0	1,003.8
3. Nonproducing Countries	602.0	598.5	627.6	441.0
4. Other[b] (1-2-3)	1,689.2	1,278.0	1,173.4	1,331.2
5. Net Imports of Other[b]	1,112.3	1,395.5	1,548.1	1,685.9
6. Other[b] Important Difference (5-4)	-576.9	*+117.5*	*+374.7*	*+354.7*

[a] Includes Greece in 1981 & 1982 only.

[b] Free world producing countries other than the selected producing countries.

EXPORTS TO NONPRODUCING COUNTRIES

Exports by the selected producing countries to nonproducing countries are depicted in the table on page 13. In this table only the aggregate exports to nonproducing countries which imported a total of 200,000 pounds or more of man-made fiber (excluding textile glass fiber) are itemized. Countries which imported lesser amounts are grouped under the "Other" category for each region. The data cannot be regarded as all-inclusive or statistically exact; rather, they indicate the relative importance of the listed countries as importers of man-made fiber.

Although North Korea reportedly produces man-made fibers, no official data are available. As a result, North Korea is considered a "nonproducer" and is included in this table, as is Guatemala, which has within the last few years begun production of man-made fibers.

Countries which produce only olefin fiber, for example Denmark, El Salvador, Honduras and Nicaragua, are also included in this tabulation.

1982 MAN-MADE FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY (EXCEPT OLEFIN & TEXTILE GLASS)

MILLION POUNDS

COUNTRY & AREA	CELLULOSIC								NONCELLULOSIC								TOTAL MAN-MADE FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW				PROD	IMPORT	EXPORT	CELL SPUN	NC SPUN	NET AVAIL
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL						
WEST EUROPE																						
AUSTRIA	30.4	3.4	20.0	13.8	222.2	7.3	103.8	125.7	0	37.8	9.1	28.7	35.7	32.9	32.0	36.6	288.3	81.4	164.9	-21.7	-2.0	181.1
BENELUX	83.9	26.2	89.7	20.4	19.6	74.3	45.8	48.1	134.5	301.6	228.8	207.3	42.3	215.2	79.4	178.1	280.3	617.3	443.7	+20.7	+36.6	511.2
IRELAND (EIRE)	0	1.3	0.6	0.7	0	2.0	0.9	1.1	27.1	29.5	29.3	27.3	61.7	3.0	60.1	4.6	88.8	35.8	90.9	+1.4	-0.5	34.6
FINLAND	0	2.8	0.4	2.4	117.1	8.2	100.8	24.5	1.1	26.0	1.2	25.9	0	27.8	2.0	25.8	118.2	64.8	104.4	+1.4	+5.1	85.1
FRANCE	19.0	41.0	20.0	40.0	81.3	31.2	25.1	87.4	142.9	152.1	84.5	210.5	276.2	175.2	137.8	313.6	519.4	399.5	267.4	+5.8	+10.5	667.8
GERMANY, FED. REP. OF	134.5	44.1	90.0	88.6	110.2	77.7	83.3	104.6	698.9	192.7	549.9	341.7	771.6	172.6	560.8	383.4	1715.2	487.1	1284.0	-1.0	-17.1	900.2
GREECE	15.8	0.4	6.3	9.9	0	8.3	0	8.3	18.7	13.1	5.2	26.6	20.5	51.7	6.4	65.8	55.0	73.5	17.9	+0.4	-3.9	107.1
ITALY/MALTA	69.7	39.2	33.6	75.3	31.3	69.8	9.3	91.8	327.8	119.6	269.5	177.9	617.3	245.1	368.5	493.9	1046.1	473.7	680.9	-2.9	-91.7	744.3
NORWAY	0	0.3	0.1	0.2	44.1	6.2	25.1	25.2	0	6.0	1.4	4.6	0	5.4	4.5	0.9	44.1	17.9	31.1	+0.2	+3.3	34.4
PORTUGAL	6.8	2.9	0.2	9.5	0	21.3	0.1	21.2	2.0	27.7	4.3	25.4	88.2	16.0	12.5	91.7	97.0	67.9	17.1	-4.4	-1.0	142.4
SPAIN	24.9	3.1	4.2	23.8	70.1	21.6	2.9	88.8	162.3	25.3	17.4	170.2	347.7	75.2	98.5	324.4	605.0	125.2	123.0	-1.8	-7.7	597.7
SWEDEN	0	3.2	0.6	2.6	83.8	7.9	40.8	50.9	0	22.7	1.1	21.6	0	14.6	8.8	5.8	83.8	48.4	51.3	+0.7	+5.8	87.4
SWITZERLAND	0	3.3	1.1	2.2	0	17.0	0.3	16.7	117.7	28.0	133.7	12.0	59.5	26.9	61.8	24.6	177.2	75.2	196.9	+0.6	-4.1	52.0
TURKEY	0.7	2.3	0	3.0	6.6	4.5	0.6	10.5	99.4	39.2	5.8	132.8	198.8	35.2	27.7	206.3	305.5	81.2	34.1		-1.5	351.1
UNITED KINGDOM	52.9	33.4	53.0	33.3	196.7	56.1	153.8	99.0	146.6	250.2	108.4	288.4	303.8	148.1	196.3	255.6	700.0	487.8	511.5	+2.4	+50.0	728.7
TOTAL WEST EUROPE	**438.6**	**206.9**	**319.8**	**325.7**	**983.0**	**413.4**	**592.6**	**803.8**	**1879.0**	**1271.5**	**1449.6**	**1700.9**	**2823.3**	**1244.9**	**1657.1**	**2411.1**	**6123.9**	**3136.7**	**4019.1**	**+1.8**	**-18.2**	**5225.1**
U.S.A.	**228.0**	**7.0**	**22.1**	**212.9**	**356.0**	**13.4**	**67.0**	**302.4**	**2472.2**	**23.8**	**346.4**	**2149.6**	**3266.1**	**51.1**	**411.2**	**2906.0**	**6322.3**	**95.3**	**846.7**	**+1.0**	**+7.3**	**5579.2**
OTHER AMERICAS																						
ARGENTINA	2.2	1.9	0	4.1	0	1.4	0	1.4	37.7	3.9	5.3	36.3	26.2	8.7	3.5	31.4	66.1	15.9	8.8	0		73.2
BRAZIL	45.9	0.6	6.7	39.8	53.4	1.3	3.8	50.9	255.7	4.1	7.4	252.4	181.0	4.6	18.2	167.4	536.0	10.6	36.1		-2.3	508.2
CANADA	20.9	2.5	1.6	21.8	61.7	2.3	3.5	60.5	114.6	30.3	21.9	123.0	99.2	67.5	5.9	160.8	296.4	102.6	32.9	+0.9	+8.5	375.5
CHILE	2.2	0.1	0	2.3	7.1	1.2	0	8.3	10.1	0.6	0	10.7	1.8	4.9	0	6.7	21.2	6.8	0	0	0	28.0
COLOMBIA	4.0	0.1	0	4.1	0	3.2	0	3.2	57.3	3.1	0	60.4	26.5	5.1	0	31.6	87.8	11.5	0	0	0	99.3
COSTA RICA	0	0.5	0	0.5	0	0	0	0	7.7	3.3	1.8	9.2	0	6.6	0	6.6	7.7	10.4	1.8	0	0.1	16.2
CUBA	4.6	0.5	0.2	4.9	7.9	0.4	0	8.3	0	0.8	0	0.8	0	1.7	0	1.7	12.5	3.4	0.2	0	0	15.7
ECUADOR	0	2.2	0	2.2	0	3.3	0	3.3	8.8	7.7	0	16.5	0	13.2	3.5	9.7	8.8	26.4	3.5	0		31.7
MEXICO	31.1	0	1.3	29.8	11.9	10.9	0.4	22.4	269.2	3.4	9.6	263.0	254.4	8.3	6.3	256.4	566.6	22.6	17.6	0	+5.6	577.2
PERU	2.2	0.4	0	2.6	0	4.4	0	4.4	22.9	2.9	0.2	25.6	64.8	1.6	25.5	40.9	89.9	9.3	25.7	0	0	73.5
URUGUAY	1.3		1.1	0.2	0	1.3	0.1	1.2	2.0	1.9	0.8	3.1	5.1	0.9	3.9	2.1	8.4	4.1	5.9	0	0	6.6
VENEZUELA	7.1	1.1	0	8.2	0	15.1	0	15.1	13.7	16.2	0	29.9	7.9	2.3	0	10.2	28.7	34.7	0	0	0	63.4
TOTAL O. AMERICAS	**121.5**	**9.9**	**10.9**	**120.5**	**142.0**	**44.8**	**7.8**	**179.0**	**799.7**	**78.2**	**47.0**	**830.9**	**666.9**	**125.4**	**66.8**	**725.5**	**1730.1**	**258.3**	**132.5**	**+0.9**	**+11.7**	**1868.5**
JAPAN	**265.7**	**1.5**	**117.6**	**149.6**	**570.6**	**1.6**	**251.2**	**321.0**	**1314.4**	**47.1**	**251.6**	**1109.9**	**1561.3**	**31.4**	**505.5**	**1087.2**	**3712.0**	**81.6**	**1125.9**	**-0.3**	**-5.1**	**2662.3**
AFRICA, ASIA & OCEANIA																						
AUSTRALIA/N.Z.	0	4.0	0.7	3.3	0	7.6	0.2	7.4	32.0	28.3	0.7	59.6	0	27.3	0.3	27.0	32.0	67.2	1.9	+0.3	+14.3	111.9
BANGLADESH	5.5	0	0	5.5	0	3.4	0	3.4	0.4	0.7	0	1.1	0	0	0	0	5.9	4.1	0	0	0	10.0
EGYPT	15.4	0.7	0	16.1	9.9	2.8	0	12.7	147.7	29.1	0	176.8	12.1	7.4	1.3	18.2	185.1	40.0	1.3	-0.1	+3.3	227.0
INDIA	118.6	13.9	0.6	131.9	110.9	117.9	0	228.8	149.9	21.7	0	171.6	101.4	25.7	0	127.1	480.8	179.2	0.6		0	659.4
INDONESIA	0	7.6		7.6	22.3	23.1	0	45.4	134.3	28.6	0.2	162.7	121.7	37.4	0	159.1	278.3	96.7	0.2	+0.4	+3.0	378.2
IRAN	0	9.9	0	9.9	0	52.5	0	52.5	28.7	28.4	0	57.1	33.1	46.9	0.3	79.7	61.8	137.7	0.3	+1.5	+27.3	228.0
IRAQ	6.6	3.9	0	10.5	12.1	0.3	0	12.4	0	26.0	0	26.0	0	13.3	0	13.3	18.7	43.5	0	+0.8	+12.1	75.1
ISRAEL	0	0.4	0.3	0.1	0	1.1	0	1.1	25.4	18.8	0	44.2	15.4	10.8	4.4	21.8	40.8	31.1	4.7	+0.5	+7.0	74.7
KENYA	0	0.1	0	0.1	0	2.0	0	2.0	2.2	1.7	0	3.9	0	6.0	0	6.0	2.2	9.8	0	+0.5	0	12.5
KOREA, REPUBLIC OF	21.8	21.7	8.0	35.5	12.8	24.0	2.7	34.1	664.5	64.2	37.7	691.0	685.6	29.3	46.6	668.3	1384.7	139.2	95.0	+0.2	-38.2	1390.9
MALAYSIA	0	1.4		1.4	0	4.6	0	4.6	0	15.3	0.1	15.2	70.5	13.4	23.5	60.4	70.5	34.7	23.6	0	-6.8	74.8
NIGERIA	0	2.7	0	2.7	0	3.6	0	3.6	2.6	15.9	0	18.5	2.4	2.0	0	4.4	5.0	24.2	0	+2.2	+7.0	38.4
PAKISTAN	5.5	4.4	0	9.9	0	27.0	0.7	26.3	11.2	21.6	0	32.8	15.2	33.9	0	49.1	31.9	86.9	0.7	0		118.1
PHILIPPINES	0	0.6	0	0.6	0	26.6	0	26.6	77.2	6.2	0	83.4	33.1	22.1	0	55.2	110.3	55.5	0	0	-2.0	163.8
SOUTH AFRICA	0	7.2	0	7.2	0	32.3	0.7	31.6	77.2	25.2	1.2	101.2	44.1	66.1	1.0	109.2	121.3	130.8	2.9	+0.4	-0.7	248.9
SRI LANKA	0	0.1	0.1	0	0	0.1	0.1	0	2.2	5.8	0	8.0	0	3.6	0	3.6	2.2	9.6	0.2	0		11.6
TAIWAN	7.3	1.6	3.7	5.2	197.3	14.0	56.7	154.6	619.1	21.5	260.4	380.2	771.8	86.7	162.5	696.0	1595.5	123.8	483.3	-9.8	-16.3	1209.9
THAILAND	0	1.6	0.4	1.2	34.2	10.2	0	44.4	137.8	8.0	30.1	115.7	144.0	44.7	13.0	175.7	316.0	64.5	43.5		-1.9	335.1
TOTAL A, A & O ABOVE	**180.7**	**81.8**	**13.8**	**248.7**	**399.5**	**353.1**	**61.1**	**691.5**	**2112.4**	**367.0**	**330.4**	**2149.0**	**2050.4**	**476.6**	**252.9**	**2274.1**	**4743.0**	**1278.5**	**658.2**	**-3.1**	**+8.1**	**5368.3**
HUNGARY	0	9.6	0.1	9.5	16.8	4.6	4.3	17.1	16.8	18.1	0.1	34.8	27.3	23.6	1.4	49.5	60.9	55.9	5.9	+3.2	+3.7	117.8
POLAND	42.5	3.6	0.6	45.5	99.4	26.2	0.2	125.4	166.2	8.0	8.8	165.4	117.1	55.0	10.3	161.8	425.2	92.8	19.9	-0.8	+5.8	503.1

See text on page 10.

SELECTED EXPORTS OF MAN-MADE FIBER TO EASTERN EUROPE & PEOPLE'S REPUBLIC OF CHINA

MILLION POUNDS

	CELLULOSIC								NONCELLULOSIC								TOTAL			
	YARN[a]				STAPLE[b]				YARN[a]				STAPLE[b]							
COUNTRY	1979	1980	1981	1982	1979	1980	1981	1982	1979	1980	1981	1982	1979	1980	1981	1982	1979	1980	1981	1982
EXPORTED BY																				
AUSTRIA	3.0	4.5	4.9	3.3	56.2	53.5	51.2	41.6	0.1	0.6	5.0	1.8	4.4	8.0	12.0	5.3	63.7	66.6	73.1	52.0
BELGIUM/LUX.	0.1	0.1	1.0	0.1	3.8	2.4	1.5	0.3	1.0	3.9	1.8	0.6	0.1	0.6	0.3	0.1	5.0	7.0	4.6	1.1
FINLAND	0.8	0.6	0	0	27.3	37.1	33.5	20.2	0		0	0	0	0.2	0.2	0	28.1	37.9	33.7	20.2
FRANCE	2.2	1.9	1.9	1.6	2.4	6.5	0.9	9.7	8.5	5.8	3.7	2.1	6.8	10.9	6.1	6.9	19.9	25.1	12.6	20.3
GERMANY, F. R. O.	11.7	17.9	20.0	20.9	4.8	11.5	11.1	11.9	51.0	82.0	73.6	57.1	35.7	114.4	137.3	67.4	103.2	225.8	242.0	157.3
GREECE	c	c	7.0	2.7	c	c	0	0	c	c	1.8	1.0	c	c	3.1	0.8	c	c	11.9	4.5
IRELAND	d	0	0	0	d	0.5	0.4	0	d	0.3		0	d	0.4	0.2	0.1	d	1.2	0.6	0.1
ITALY	3.9	4.8	8.9	6.3	1.1	3.4	3.5	0.9	19.7	41.9	47.6	29.5	21.5	86.4	151.7	111.7	46.2	136.5	211.7	148.4
JAPAN	40.5	40.0	54.1	14.8	32.5	76.3	36.4	55.9	20.1	40.5	71.4	38.2	96.3	199.3	261.4	119.5	189.4	356.1	423.3	228.4
NETHERLANDS	0	0.1	1.2	0.3	0	0.1	0.2		14.5	2.1	1.3	0.6	16.9	0.1	0.9	0.1	31.4	2.4	3.6	1.0
NORWAY	0.2	0	0	0	5.8	9.5	3.9	2.1	0.3	0.5	0.3		0	0.1	0.1	0	6.3	10.1	4.3	2.1
SPAIN	0.2	0	0.1	0	8.2	11.1	0.2	0	0.4	1.0	4.3		2.2	23.9	46.2	29.1	11.0	36.0	50.8	29.1
SWEDEN	0	0		0	9.1	7.7	0.7	7.7	2.4	3.3		0	0			0	11.5	11.0	0.7	7.7
SWITZERLAND	0.3	0		0	0	0		0	7.3	6.2	6.7	4.1	1.0	2.3	2.8	2.5	8.6	8.5	9.5	6.6
UNITED KINGDOM	20.9	23.7	26.9[e]	15.3[e]	42.1	69.1	62.6[e]	40.9[e]	18.0	15.2	13.9[e]	8.4[e]	77.3	29.5	25.3[e]	16.5[e]	158.3	137.5	128.7[e]	81.1
U.S.A.	3.8	4.7	5.7	6.3	6.8	1.0		0	30.6	91.7	160.8	97.2	142.0	321.4	467.4	140.4	183.2	418.8	633.9	243.9
TOTAL	**87.6**	**98.3**	**131.7**	**71.6**	**200.1**	**289.7**	**206.1**	**191.2**	**173.9**	**295.0**	**392.2**	**240.6**	**404.2**	**797.5**	**1115.0**	**500.4**	**865.8**	**1480.5**	**1845.0**	**1003.8**
IMPORTED BY																				
BULGARIA	1.0	1.1	3.8	0.5	2.4	3.1	3.7	5.2	3.8	2.8	2.6	1.7	7.0	0.9	0.9	1.2	14.2	7.9	11.0	8.6
CHINA, P.R.O.	21.0	24.7	43.6	22.9	78.9	142.0	102.6	99.3	49.7	136.7	245.8	141.1	228.9	571.0	921.0	390.9	378.5	874.4	1313.0	654.2
CZECHOSLOVAKIA	1.5	1.4	1.7	1.4	2.8	5.1	3.8	2.9	2.9	4.4	6.5	3.6	6.7	12.2	12.3	5.3	13.9	23.1	24.3	13.2
GERMAN DEM. REP.	4.4	5.3	5.8	2.4	7.0	8.5	7.0	7.5	8.1	10.3	16.4	5.3	4.9	17.6	16.5	5.6	24.4	41.7	45.7	20.8
HUNGARY	16.0	14.2	17.5	9.0	6.2	5.3	9.1	4.6	14.6	16.0	18.4	18.2	26.8	24.0	33.9	23.6	63.6	59.5	78.9	55.4
POLAND	3.1	4.2	3.0	2.4	31.1	21.1	26.1	16	29.6	21.2	8.1	6.0	35.8	46.9	23.5	16.8	99.6	93.4	60.7	41.3
ROMANIA	6.2	7.5	13.3	3.0	52.1	26.1	16.3	1.	3.8	5.2	3.1	0.8	1.0	1.8	1.9	0.3	63.1	40.6	34.6	16.3
USSR	31.9	37.5	39.8	28.4	11.4	75.3	35.3	29.2	31.9	64.2	56.2	43.5	50.2	80.4	54.0	27.8	125.4	257.4	185.3	128.9
YUGOSLAVIA	2.5	2.4	3.2	1.6	8.2	3.2	2.2	14.2	29.5	34.2	35.1	20.4	42.9	42.7	51.0	28.9	83.1	82.5	91.5	65.1
TOTAL	**87.6**	**98.3**	**131.7**	**71.6**	**200.1**	**289.7**	**206.1**	**191.2**	**173.9**	**295.0**	**392.2**	**240.6**	**404.2**	**797.5**	**1115.0**	**500.4**	**865.8**	**1480.5**	**1845.0**	**1003.8**

a. Yarn means filament yarn, monofilaments, tire cord & tire cord fabric.

b. Staple includes tow, tops and spun yarn.

c. Data for Greece were not included with those from the EEC until 1981.

d. No data from Ireland were included prior to 1980.

e. Data for the United Kingdom for 1981 and 1982 were estimated

EXPORTS TO EASTERN EUROPE & PEOPLE'S REPUBLIC OF CHINA

The table on page 12 is divided into two sections. The upper section details the 1979-1982 selected exports of man-made fibers by 16 producing countries to Eastern Europe and the People's Republic of China. The lower section shows the destination of these exports by country.

For 1982, exports amounted to 1,003.8 million pounds, an increase of 46% over the 1,845.0 million pounds recorded in 1981. It should be noted that the United States was the largest exporter to these countries, followed by Japan, West Germany and Italy. Up until 1980, Japan had traditionally been the largest exporter of man-made fiber to Eastern Europe and the PRC.

The principal recipient in 1982, of these man-made fibers, was the People's Republic of China, which imported 654.2 million pounds, or 65%, of the total man-made fiber exported by the 16 producing countries. In addition, it is interesting to note that the PRC's percent share of total fiber exported fell in 1982, down from 71% in 1981. Up until 1982, the PRC's share of total fiber exported rose from 44% in 1979 to 59% in 1980 and 71% in 1981. Following the PRC in order of volume for 1982 were the USSR, Yugoslavia and Hungary.

EXPORTS OF MAN-MADE FIBERS TO CERTAIN NONPRODUCING COUNTRIES[a]

MILLION POUNDS

AREA & COUNTRY	CELLULOSIC				NONCELLULOSIC			
	YARN[b]		STAPLE[b]		YARN[b]		STAPLE[b]	
	1981	1982	1981	1982	1981	1982	1981	1982
AMERICAS								
BOLIVIA	0.1	–	0.3	–	0.1	0.1	5.3	1.3
DOMINICAN REP	–	0.2	0.1	0	2.2	2.3	0.4	0.2
EL SALVADOR	0.2	0.1	2.2	1.7	4.1	4.1	9.6	6.9
GUATEMALA	0.4		0.1	0	6.0	3.9	9.3	8.2
GUYANA/SURINAME	0	0		0	–	0		0
HAITI		0		0	0.7	1.0		0
HONDURAS	–	0	1.2		1.7	1.1	0.7	1.7
JAMAICA	0.1	0	0	0	0.6	0.2	0.2	0
NICARAGUA		0	0.1	0	0.3	0		0.4
PANAMA	–	0	–	0	0.5	0.1	0.3	0.2
PARAGUAY		0	0	0	0	0	0.2	0.2
TRIN. & TOBAGO	0.1	0.3		0	0.5	0	0.1	0
OTHER[e]				0.2	0.2			3.2
TOTAL AMERICAS	**0.9**	**0.6**	**4.0**	**1.9**	**16.9**	**12.8**	**26.1**	**22.3**
ASIA & OCEANIA								
AFGHANISTAN	1.1	0.5	0.7	0	3.6	7.3		0
BAHRAIN		0	0	0		0		0
BURMA	0.1		0.9	0.5	0.1	0.2	2.2	3.5
CYPRUS			0.7	1.0	0.8	0.5	1.9	0
FIJI	0	0	0.2	0		0		0
HONG KONG	4.0	2.1	10.6	5.9	40.4	7.7	50.4	37.2
JORDAN	0.1	0	0.1	0	0.8	0.8	0.6	0
KOREA, NORTH[f]	0	0	0	0	0.4	0.4	6.3	5.5
KUWAIT		0.1	0	0	0.9	0.6	0.1	
LEBANON	1.8	0.5	1.1	0.5	4.7	2.1	4.2	0.9
NEPAL	0	0	0	0	0.2	0.2	0.7	0
SAUDI ARABIA	0.3	0.2			1.2	1.1	1.4	0.1
SINGAPORE	0.6	0.2	3.1	3.4	3.4	1.7	16.0	9.5
SYRIA	5.9	1.6	2.7	2.2	29.3	8.7	8.2	3.5
UNIT. ARAB EMIRATES	0.1		0.8	0	0.2	0.1	0.1	0
VIETNAM	3.6	0.8	0	0	4.6	3.1	8.1	2.2
N. & S. YEMEN			0.2	0.4		–	0.8	1.3
OTHER[g]	0	0		0.2	0.1	0.3	0.3	7.3
TOTAL A & O	**17.6**	**6.0**	**21.1**	**14.1**	**90.7**	**34.8**	**101.3**	**71.0**

AREA & COUNTRY	CELLULOSIC				NONCELLULOSIC			
	YARN[b]		STAPLE[b]		YARN[b]		STAPLE[b]	
	1981	1982	1981	1982	1981	1982	1981	1982
EUROPE								
ALBANIA	0.1	0.2	0	0.2	0.3	0.4	0.5	0.6
DENMARK[c]	0.5	0.5	8.2	6.7	51.9	46.3	41.8	21.2
ICELAND		–	–	0	–	0.1	0.3	0.2
OTHER[d]	0	0	0	0	–	–	–	0
TOTAL EUROPE	**0.6**	**0.7**	**8.2**	**6.9**	**52.2**	**46.8**	**42.6**	**22.0**
AFRICA								
ALGERIA	7.4	2.9	10.1	8.9	31.7	20.5	23.6	12.9
ANGOLA	0	0	0.2	0.2	0.4	–	0.1	0.3
BOTSWANA	0	0	0	0	0.6	–	–	0
CAMEROON	0.1	–	1.5	–	0.7	0.8	1.8	0.1
CANARY ISLANDS	0.1	0	0.7	0.5	–	0	0.1	0.1
CEUTA & MELILLA	–	0	0	0	–	0	0.2	0
ETHIOPIA	0	0.1		0	1.7	1.2	4.8	1.9
GHANA	0.1		0.4	0.1	0.7	0	1.6	–
IVORY COAST	0.1	–	1.2	0.6	0.7	1.1	3.1	1.9
KENYA & UGANDA	0	0.1	0	2.2	0	2.1	0.1	6.0
LIBERIA		0	0	0	0.2	0	–	0
LIBYA	0.5	4.6	0.5		0.4	0.5	1.8	1.6
MADAGASCAR	0	0	1.0	0.9	0.1	0.3	2.4	2.4
MALAWI	0				0.3	0.5	0	0
MAURITIUS			0.1	0.2	–	0	5.5	5.8
MOROCCO	5.1	5.8	16.8	17.0	20.5	19.5	46.2	47.2
MOZAMBIQUE		0	0.2		0.3	0.3	0.5	0.2
NIGER	0	–	0.1	–		0	–	0
SENEGAL	0.1	0.1	0.3	0.1		0	0.5	0
SUDAN	0.3	0.1		–		0	0.3	2.1
SWAZILAND	0	0	0	0	0.2	0	0.1	0
TANZANIA	0.1		0.8	0.4	3.5	2.1	1.7	0.2
TUNISIA	1.8	1.8	4.8	3.3	9.2	9.2	17.6	4.3
ZAIRE	0.5		0.2	0.1	1.3	0.9	0.3	0
ZAMBIA	–	0	0.8	0	1.2	0.4	0.3	–
ZIMBABWE	0.1		0.8	0.7	1.2	0.3	1.4	1.4
OTHER[h]		0	0.1	0	–	0.2	0.2	2.1
TOTAL AFRICA	**16.3**	**15.5**	**40.6**	**35.2**	**74.9**	**59.9**	**113.6**	**90.5**
GRAND TOTAL	**35.4**	**22.8**	**73.9**	**58.1**	**234.7**	**154.3**	**283.6**	**205.8**

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a. See the upper section of the page 11 table for a listing of the 16 exporting countries. Also see text opposite regarding the concept and meaning of this table.

b. Yarn means filament yarn, monofilaments, tire cord & tire cord fabric. Staple includes spun yarn.

c. The Danish data are net imports from the 16 countries. Data from the Faere Islands are also included.

d. Gibraltar.

e. Bahamas, Barbados, Belize, Bermuda, Cayman Is., French Guiana, French West Indies, Leeward & Windward Is., Netherlands Antilles and St. Pierre & Miquelon.

f. See text on page 10 regarding this country.

g. French Polynesia, Kiribati, Macao, Mongolia, New Caledonia, Oman, Papua New Guinea, Qatar and Western Samoa.

h. Benin, Burundi, Cape Verde, Central African Republic, Chad, Comoros, Congo, Djibouti, Equatorial Guinea, Gabon, Gambia, Guinea Bissau, Malagasy Rep., Mali, Mauritania, Reunion, Rwanda, Sierra Leone, Somalia, Togo and Upper Volta.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983												11 MONTHS	
ITEM & COUNTRY	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUNE**	**JULY**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1983**	**1982**
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	0	30	30	30	0	0	59	29	29	29	85		321	109
CANADA	208	341	88	121	0	92	115	79	224	51	15		1334	652
MEXICO	73	52	16	92	39	229	117	78	160	58	122		1036	1082
AUSTRIA	41	289	219	138	249	316	42	23	0	13	0		1330	1702
GERMANY, FED. REP. OF	93	103	134	79	141	65	153	442	430	324	218		2182	1750
NETHERLANDS	11	71	43	0	96	58	21	34	77	36	56		503	492
UNITED KINGDOM	0	10	0	25	28	87	16	101	59	116	118		560	0
JAPAN	18	6	60	3	50	15	70	27	115	114	14		492	305
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4	24	5	46	7	9		211	580
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**748**	**637**		**7969**	**6672**
CELLULOSIC STAPLE+TOW														
CANADA	442	346	225	425	556	444	380	550	495	606	658		5127	2352
AUSTRIA	0	158	95	0	76	531	76	153	210	191	79		1569	3092
FRANCE	0	0	56	0	18	1	0	3	0	0	13		91	164
SWEDEN	0	187	213	307	420	505	321	522	209	0	0		2684	4273
UNITED KINGDOM	2	0	64	38	41	76	0	66	58	74	77		496	802
JAPAN	134	174	151	178	199	165	157	48	148	192	28		1574	1463
TAIWAN	5	22	0	0	69	0	0	0	0	0	37		133	11
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36	1	0	40	3	371		470	599
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1342**	**1160**	**1066**	**1263**		**12144**	**12756**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	752	426	734	662	705	829	678	680	666	615	721		7468	4878
MEXICO	17	289	421	257	439	243	304	307	989	828	1229		5323	447
FRANCE	157	210	165	120	98	190	56	128	160	180	218		1682	1635
GERMANY, FED. REP. OF	636	574	397	562	547	584	502	319	626	748	385		5880	6502
ITALY	88	11	37	106	401	255	358	53	470	432	421		2632	376
NETHERLANDS	1	34	11	81	6	17	48	3	17	9	19		246	58
SPAIN	153	92	31	127	32	286	248	34	134	228	63		1428	1
SWITZERLAND	47	122	74	96	59	106	40	67	15	49	17		692	175
UNITED KINGDOM	36	444	173	351	457	99	291	184	84	290	381		2790	453
ISRAEL	64	298	74	117	26	111	108	16	86	142	118		1160	55
JAPAN	810	902	590	888	1234	687	1182	844	538	880	1521		10076	5672
REP. OF KOREA	6	7	3	84	104	52	173	52	71	123	103		778	25
TAIWAN	13	49	25	1	3	58	18	29	19	133	54		402	86
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44	106	216	414	685	222		1838	1006
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**5342**	**5472**		**42395**	**21369**
NONCELLULOSIC STAPLE+TOW														
CANADA	278	400	491	274	838	1183	775	464	683	821	718		6925	5006
COSTA RICA	0	0	0	49	42	42	27	91	305	145	207		908	0
MEXICO	1197	475	437	294	810	995	810	778	1426	998	3600		11820	2621
BELGIUM	6	72	2	34	2	36	17	19	76	28	204		496	140
FRANCE	1250	340	687	779	659	665	409	582	300	307	2209		8187	6631
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052	1774	1862	862	2060	1393		15946	7942
ITALY	421	1918	608	2105	325	666	348	478	410	1021	654		8954	4179
NETHERLANDS	0	38	49	93	52	28	75	77	143	436	3		994	406
SWITZERLAND	0	0	0	55	2	9	42	38	22	11	78		257	134
UNITED KINGDOM	233	736	816	1392	2099	1824	1429	1724	1143	1385	1990		14771	2487
AUSTRALIA	0	91	0	0	0	0	0	0	0	0	0		91	29
ISRAEL	0	55	57	0	0	0	0	0	0	0	15		127	60
JAPAN	933	513	1174	1083	779	1282	1353	1171	1560	1178	1504		12530	6548
REP. OF KOREA	0	40	0	40	0	95	40	40	41	40	32		368	33
TAIWAN	381	449	524	346	38	158	74	184	185	1014	204		3557	8136
ALL OTHER COUNTRIES[d]	0	0	7	91	29	75	354	154	307	178	919		2114	1121
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**9622**	**13730**		**88045**	**45473**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 49, Italy 28, Rep. of Korea 80, Sweden 9, Taiwan 14 and Yugoslavia 22.

b. Australia 370, Fed. Rep. of Germany 59, German Dem. Rep. 3, Mexico 4, Romania 33 and Venezuela 1.

c. Australia 17, Austria 128, Belgium 15, Brazil 5, Denmark 2, Costa Rica 15, Iceland 16, Indonesia 45, Ireland 45, Portugal 45, Romania 83, So. Africa 1321, Sweden 66 and Thailand 35.

d. Argentina 34, Austria 28, Brazil 112, Denmark 38, Finland 1, Ireland 39, Norway 265, Portugal 11, Romania 621, South Africa 751, Spain 38, Sweden 12, Turkey 129 and Yugoslavia 35.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	11 MONTHS 1983	11 MONTHS 1982
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	129	72	5	0	*	50	0	0	0	0	0		256	373
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770	576	734	1075	631	512		7148	6270
MONOFILAMENTS	309.0510 & .0610	0	0	0	*	0	0	24	0	0	0	0		24	2
STRIPS, $1 LB & UNDER	309.2000 *	0	12	3	34	38	46	17	84	65	117	125		541	27
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**748**	**637**		**7969**	**6672**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679	930	1236	1090	898	1209		11359	11376
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79	5	107	70	168	54		786	1380
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**	**1160**	**1066**	**1263**		**12145**	**12756**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0	0	38	0	36	26		277	394
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0100 & .0200	284	338	271	266	445	501	329	242	387	526	638		4227	4128
POLYESTER	310.0110 & .0210	79	40	1	20	127	125	73	144	284	375	475		1743	435
OTHER	310.0114 & .0214	853	364	674	602	655	794	726	622	714	784	488		7276	3776
OTHER - NYLON	310.0149 & .0249	305	1337	744	1016	1383	934	1279	795	1328	1681	2004		12806	4799
POLYESTER	310.0150 & .0250	962	998	637	1023	1029	918	1334	874	1207	1455	1340		11777	4899
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122	141	138	93	267	324		2464	1601
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73	119	156	76	229	188	157		1573	1435
STRIPS, OVER $1 LB	309.2100 & .2500 *	52	15	33	48	59	48	74	41	47	66	46		529	296
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**5342**	**5472**		**42395**	**21369**
STAPLE - NYLON	309.4338	1176	2537	1854	3072	2050	2518	2041	2320	1688	2360	2338		23954	9384
POLYESTER	309.4342	1522	361	934	689	621	833	1064	924	2005	1503	4144		14600	6224
ACRYLIC	309.4345	643	784	879	1040	1133	1769	1682	941	1339	1211	1123		12544	7216
OLEFIN	309.4346	106	3	203	133	92	82	53	26	95	126	223		1142	581
OTHER	309.4355	796	660	929	978	342	840	487	405	490	1437	646		8010	10484
GROUPED FILAMENTS															
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526	1544	1382	1111	1898	3422		19152	6613
POLYESTER	309.3040 & .3140	*	5	6	175	101	59	30	94	317	170	878		1835	47
ACRYLIC	309.3050 & .3150	324	881	416	570	311	397	613	463	384	879	949		6187	4043
OTHER	309.3065 & .3165	16	74	70	82	94	86	13	107	34	38	7		621	881
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**9622**	**13730**		**88045**	**45473**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344	2092	1917	2281	2004	2395	2727	2584	2948	3897		25386	20558
POLYESTER	309.6630	572	1339	909	809	677	856	1324	1151	1371	1507	2324		12839	10652
ACRYLIC	309.6645	45	130	0	54	0	0	0	0	40	35	0		304	932
OTHER	309.6660	266	129	118	443	491	405	250	203	156	81	145		2687	2440
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26	31	41	0	31	31	72	0		232	24
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399	408	56	259	0	1	*	37	118		1720	745
SUBTOTAL ABOVE		**2360**	**31[illegible]**	**3518**	**3657**	**3536**	**3565**	**3969**	**4113**	**4182**	**4680**	**6484**		**43168**	**35351**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**	**17160**	**15906**	**18234**	**21494**	**27612**		**193999**	**122015**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	0	0	0	0	*	0	1	0	0	*		1	2
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	605	416	575	777	665	541	881	646	1020		7440	4501
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2	5	1	5	8	17	7		89	139
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	102	129	160	214	117	113		2027	855
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163	54	172	73	151	81		992	280
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888	3184	2165	2563	3813	2550		29069	20305
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193	325	329	417	558	164	120	134	165	97		2877	2856
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257	218	235	326	85	185	122	340	231		2497	2101
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534	530	413	189	460	234		4640	2460
TEXTILE GLASS FIBER	307.2800 & .2900[j]	1145	1604	2008	2347	1657	1264	939	1987	1378	1775	1447		17551	12835
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**	**22911**	**21755**	**23796**	**28978**	**33392**		**261182**	**168349**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1983												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.0**	**18.0**	**19.5**	**17.9**	**225.8**	**198.8**
NYLON[e] INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	32.1	32.7	27.4	318.1	324.5
LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	3.1	3.2	3.2	4.2	35.5	29.5
CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	66.8	69.5	69.9	762.6	582.1
TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	31.5	32.0	33.5	30.9	381.4	331.6
POLYESTER INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	25.9	27.1	24.8	307.6	288.0
LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	2.4	2.3	2.1	26.0	22.4
TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	83.3	92.9	92.8	1027.1	927.1
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	62.5	63.6	57.2	53.0	58.2	706.9	592.3
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**308.6**	**313.7**	**302.9**	**314.2**	**310.3**	**3565.2**	**3097.5**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**30.9**	**32.8**	**32.3**	**377.4**	**360.2**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	79.5	77.2	68.8	911.2	689.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	52.6	52.7	50.6	654.7	632.2
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	184.3	186.1	187.0	2197.8	1941.6
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	18.8	17.2	16.2	186.3	143.8
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**335.2**	**333.2**	**322.6**	**3950.0**	**3407.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**15.3**	**14.3**	**12.5**	**12.5**	**10.7**
NYLON[e] INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	23.1	19.6	23.8	23.8	27.0
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	4.8	4.5	4.0	4.0	3.2
CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	49.0	47.9	54.0	54.0	54.8
TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3	36.4	39.0	39.0	41.2
POLYESTER INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	20.4	18.9	18.7	18.7	27.2
LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.6	2.7	3.2	3.2	3.0
TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	85.6	75.4	75.7	75.7	68.8
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	53.2	56.3	57.4	56.7	56.7	54.6
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**270.4**	**281.1**	**262.8**	**275.1**	**275.1**	**279.8**
STAPLE+TOW+FIBERFILL														
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**23.4**	**24.4**	**23.3**	**23.3**	**25.9**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	60.3	60.0	75.1	75.1	59.9
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	65.0	67.5	72.8	72.8	57.0
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	176.4	175.2	174.1	174.1	187.8
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.8	18.9	20.0	20.0	20.1
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**318.5**	**321.6**	**342.0**	**342.0**	**324.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	12.8	14.1	13.1			124.9	100.8
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.6	1.4	0.9			9.2	8.4
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.4	15.5	14.0			134.1	109.2
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	262.8	246.4	242.6	235.8		2582.9	2304.5

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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Textile Organon

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MONTHLY REVIEW

Highlights

U.S. Imports of Polyester Staple+Tow Top 6.9 Million Pounds in December 1983 . . . see page 29.

1983 U.S. Exports of Man-Made Fiber Fall to 670 Million Pounds . . . see page 30.

1983 Production, Shipments and Inventory Analysis . . . begins on page 24.

Textile Organon SPECIAL REPORT:
The Impact of Imports . . . begins on page 19.

A record was set in January as more pounds of olefin+vinyon staple+tow were shipped than in any other month in history.

Shipments of nylon staple+tow rose to the highest level since September 1983, although shipments of polyester staple+tow fell to the lowest level in half a year. However, shipments of acrylic+modacrylic staple+tow rose to the highest level since September 1983.

January nylon yarn shipments to the carpet trades remained unchanged from December 1983, but shipments of nylon textile yarn rose to the highest level since September 1981.

Shipments of polyester textile yarn fell for the second consecutive month, but shipments of polyester industrial yarn rose in January.

TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM		1984 JAN	1983 DEC	%[a]	1983 JAN	%[b]	YEAR TO DATE 1984	YEAR TO DATE 1983	%[c]
YARN+MONOFILAMENTS									
ACETATE		**17.8**	**17.9**	*-0.5*	**14.6**	*+21.9*	**17.8**	**14.6**	*+21.9*
NYLON[d]	INDUSTRIAL	27.8	27.4	*+1.4*	20.8	*+33.6*	27.8	20.8	*+33.6*
	LOW DENIER INDUSTRIAL	2.9	4.2	*-30.9*	2.5	*+16.0*	2.9	2.5	*+16.0*
	CARPET	69.9	69.9	--	45.4	*+54.0*	69.9	45.4	*+54.0*
	TEXTILE	34.5	30.9	*+11.6*	27.8	*+24.1*	34.5	27.8	*+24.1*
POLYESTER	INDUSTRIAL	25.0	24.8	*+0.8*	24.0	*+4.2*	25.0	24.0	*+4.2*
	LOW DENIER INDUSTRIAL	1.9	2.1	*-9.5*	1.9	--	1.9	1.9	--
	TEXTILE	84.9	92.8	*-8.5*	73.9	*+14.9*	84.9	73.9	*+14.9*
OLEFIN		53.1	58.2	*-8.8*	51.2	*+3.7*	53.1	51.2	*+3.7*
TOTAL NONCELLULOSIC ABOVE		**300.0**	**310.3**	*-3.3*	**247.5**	*+21.2*	**300.0**	**247.5**	*+21.2*
STAPLE+TOW+FIBERFILL									
RAYON		**32.4**	**32.3**	*+0.3*	**33.2**	*-2.4*	**32.4**	**33.2**	*+2.4*
NYLON[d]		80.3	68.8	*+16.7*	64.8	*+23.9*	80.3	64.8	*+23.9*
ACRYLIC+MODACRYLIC		53.0	50.6	*+4.7*	49.3	*+7.5*	53.0	49.3	*+7.5*
POLYESTER		172.5	187.0	*-7.7*	154.2	*+11.9*	172.5	154.2	*+11.9*
OLEFIN+VINYON		19.4	16.2	*+19.7*	11.4	*+70.2*	19.4	11.4	*+70.2*
TOTAL NONCELLULOSIC ABOVE		**325.2**	**322.6**	*+0.8*	**279.7**	*+16.3*	**325.2**	**279.7**	*+16.3*

-- means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

Also see footnotes on last page of this issue.

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Textile Organon

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MAN-MADE FIBER REVIEW

Begins Third Year of Publication

The **Man-Made Fiber Review** began it's third year of publication with the January 1984 issue.

Designed to provide up-to-the-minute coverage of the U.S. man-made fiber industry, the **Man-Made Fiber Review** is published monthly and features the monthly data familiar to subscribers of the **Man-Made Fiber Producers' Handbook**.

The four-page publication presents more detailed information than can be found in the **Textile Organon**. These data include statistics on production, exports, domestic shipments by denier, etc.

The annual subscription rate is $250.00.

Textile Organon readers are invited to request a complimentary copy of the **Man-Made Fiber Review** for examination and consideration.

Textile Organon
Special Report

THE IMPACT OF IMPORTS
An Examination of the Growth of Apparel Imports

In 1983, imports of garments and apparel related products (including yarn, fiber and fabric) accounted for 34.4% of the total U.S. apparel market (or available supply), up 2.7 percentage points from the 1982 share of 31.7%. Imported garments and apparel related products were particularly strong in the cotton apparel market where imports claimed a 44.5% penetration. The man-made fiber sector also showed a significant increase with imports accounting for 26.8% of the man-made fiber apparel market, up from 24.7% in 1982.

The rising trend of garments and apparel related imports over the past ten years is shown in detail on pages 22 and 23. Most notably, this table shows that while imports were growing at an impressive rate, the total U.S. demand for garments and apparel related products actually declined from 1973 through 1983.

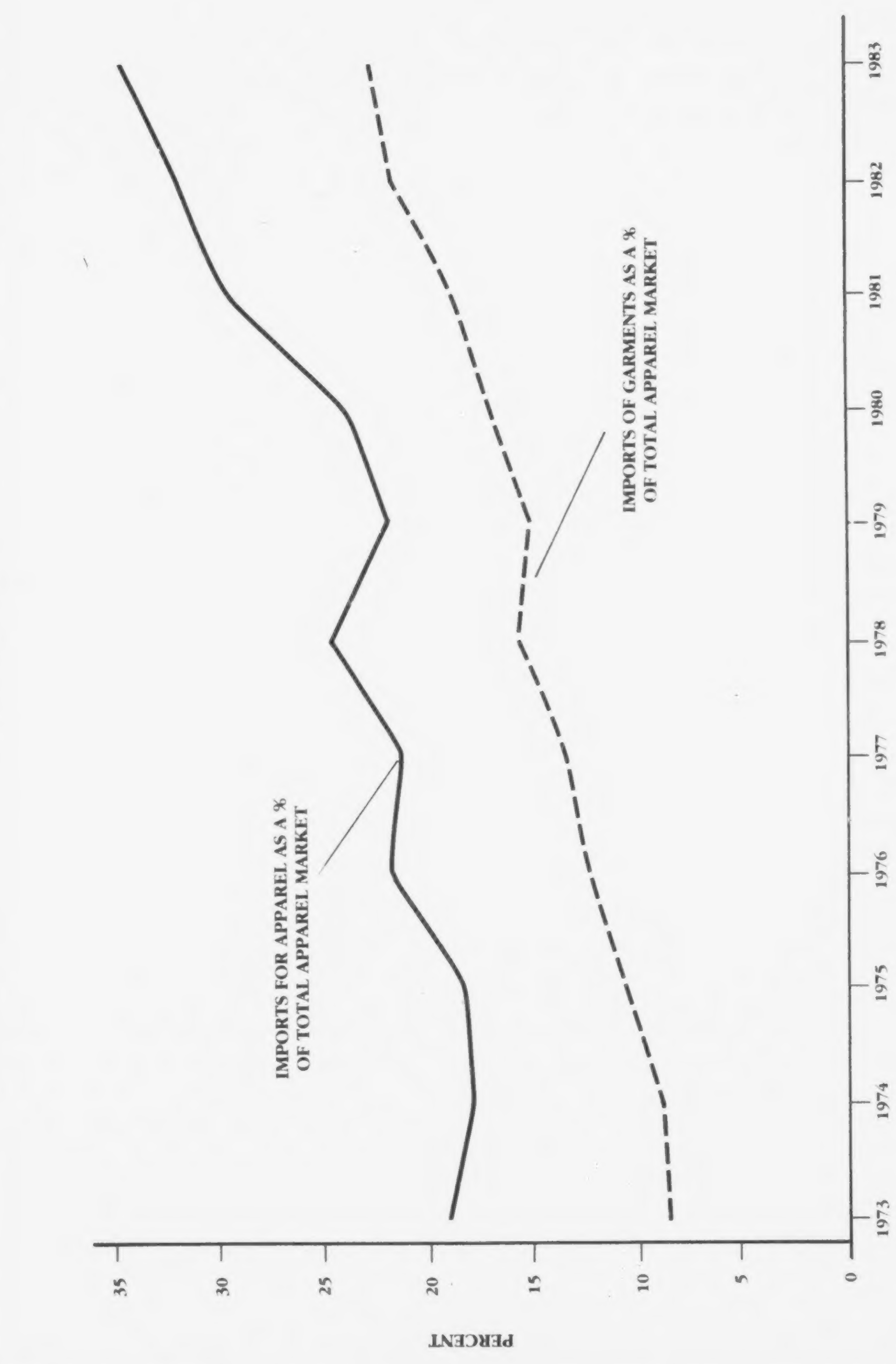
The following five pages present an objective overview of the facts relating to garment and apparel related product imports over the past ten years.

Four major conclusions may be reached from this overview presentation:

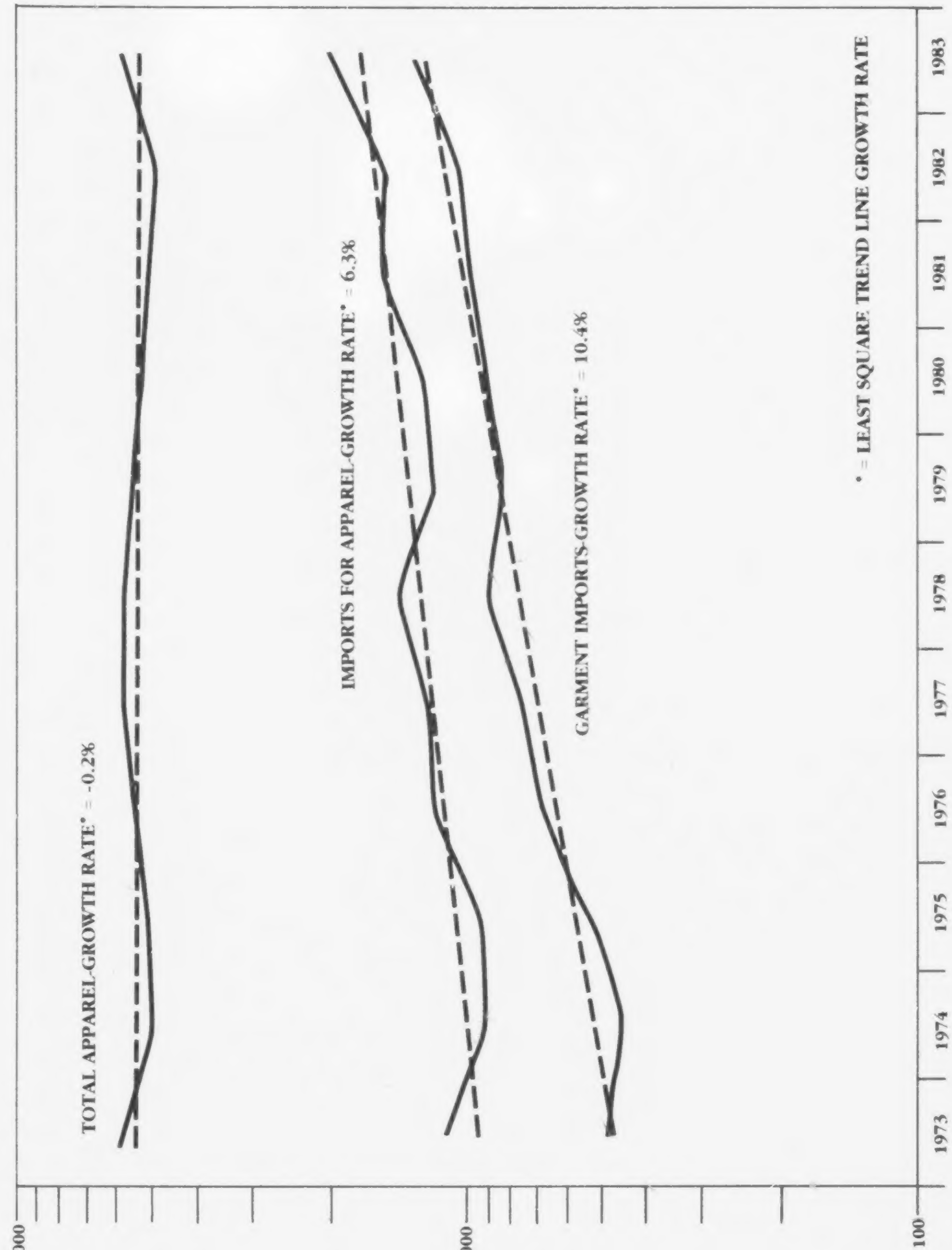
- **Garments and apparel related product imports have gained a significant share of the U.S. apparel market.**
- **Garments have played an increasingly important role in the garments and apparel related product imports.**
- **Over the past ten years, the U.S. apparel market has declined while the level of imports increased dramatically.**
- **The U.S. man-made fiber apparel market is now showing an increasingly large share of imported products.**

A more detailed description of the data used to reach these conclusions is found on the following pages. It should be noted that the two graphs on pages 20 and 21 are derived directly from the table on pages 22 and 23. The graph on page 20 shows the percentage share of imports to the total U.S. garments and apparel related products demand. The graph on page 21 describes the least square trend line growth rates for the total U.S. apparel market (available supply), imports of garments and apparel related products and, lastly, imports of garments alone.

IMPORTS OF YARN FABRIC & GARMENTS FOR THE APPAREL MARKET AS A % OF THE TOTAL U.S. APPAREL MARKET



U.S. APPAREL MARKET
AVAILABLE-FOR-DOMESTIC-CONSUMPTION
MM POUNDS



ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1973			1974			1975			1976			1977		
	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.
COTTON															
IMPORTS OF YARN FOR APPAREL[a]	26	26		13	13		12	12		26	26		14	14	
+IMPORTS OF FABRIC FOR APPAREL[a b]	159	159		147	147		136	136		225	225		155	155	
+FABRIC FROM U.S. MILLS	1,572			1,518			1,415			1,485			1,566		
ORGANON END USE SURVEY COTTON APPAREL[c]	1,757	185		1,678	160		1,563	148		1,736	251		1,735	169	
+IMPORTS OF GARMENTS[a]	163	163		168	168		223	223		293	293		348	348	
EXPORTS OF GARMENTS[a]	30			40			43			54			65		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**1,890**	**348**	*18.4*	**1,806**	**328**	*18.2*	**1,743**	**371**	*21.3*	**1,975**	**544**	*27.5*	**2,018**	**517**	*25.6*
MAN-MADE FIBERS															
DOMESTIC SHIPMENTS FOR APPAREL[d]	3,177			2,840			2,952			2,929			3,200		
+IMPORTS OF FIBER/YARN FOR APPAREL[e]	312	312		221	221		162	162		165	165		190	190	
+IMPORTS OF FABRIC FOR APPAREL[a f]	90	90		64	64		68	68		76	76		79	79	
EXPORTS OF SEMIMANUFACTURED PRODUCTS[a]	170			222			194			202			201		
ORGANON END USE SURVEY MMF APPAREL[c]	3,409	402		2,903	285		2,988	230		2,968	241		3,268	269	
+IMPORTS OF GARMENTS[a]	287	287		252	252		290	290		344	344		366	366	
EXPORTS OF GARMENTS[a]	25			33			32			34			40		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**3,671**	**689**	*18.8*	**3,122**	**537**	*17.2*	**3,246**	**520**	**16.0**	**3,278**	**585**	*17.9*	**3,594**	**635**	*17.7*
WOOL															
IMPORTS OF YARN FOR APPAREL[a]	5	5		6	6		5	5		6	6		7	7	
+IMPORTS OF FABRIC FOR APPAREL[a]	13	13		9	9		8	8		12	12		19	19	
+FABRIC FROM U.S. MILLS	108			76			92			109			106		
ORGANON END USE SURVEY WOOL APPAREL[c]	126	18		91	15		105	13		127	18		132	26	
+IMPORTS OF GARMENTS[a]	27	27		24	24		23	23		33	33		44	44	
EXPORTS OF GARMENTS[a]	2			3			2			2			2		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**151**	**45**	*29.8*	**112**	**39**	*34.8*	**126**	**36**	*28.6*	**158**	**51**	*32.3*	**174**	**70**	*40.2*
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	**5,712**	**1,082**	*18.9*	**5,040**	**904**	*17.9*	**5,115**	**927**	*18.1*	**5,411**	**1,180**	*21.8*	**5,786**	**1,222**	*21.1*

Garments and apparel related product imports have gained a significant share of the U.S. apparel market. In 1983, imports of garments and apparel related products claimed a 34.4% share of the U.S. apparel market. This compares with a 17.9% share in 1974, the lowest point of the past decade. On a poundage basis, imports have grown steadily from 904 million pounds in 1974 to 1,950 million pounds in 1983. In terms of a trend line rate of growth, from 1973 to 1983 imports grew at a rate of 6.3%. Increases were especially strong since 1980, when growth rates averaging nearly 16% per year were recorded. The largest year-to-year gain occurred from 1982 to 1983, when imports grew 413 million pounds, an increase of 27%.

Garments have played an increasingly important role in the rising trend of garments and apparel related product imports. In 1973, imports of garments totaled 477 million pounds or 8.4% of the total U.S. apparel market. By 1983, imported garments reached 1,288 million pounds or 22.7% of the apparel market, the highest level on record both in absolute terms and share of market. It should be noted that in every year but 1979, imported garments increased their share of the total U.S. apparel market. Not surprisingly, the trend line rate of growth for garment imports, at 10.4%, exceeded the rate of growth for all apparel related product imports by 4.1 percentage points.

1978			1979			1980			1981			1982			ESTIMATED 1983		
TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.
31	31		12	12		19	19		24	24		29	29		39	39	
195	195		154	154		168	168		280	280		227	227		280	280	
1,457			1,530			1,465			1,281			1,194			1,266		
1,683	226		1,696	166		1,652	187		1,585	304		1,450	256		1,585	319	
430	430		426	426		464	464		504	504		511	511		638	638	
62			91			181			123			80			72		
2,051	**656**	*32.0*	**2,031**	**592**	*29.2*	**1,935**	**651**	*33.6*	**1,966**	**808**	*41.1*	**1,881**	**767**	*40.8*	**2,151**	**957**	*44.5*
3,149			3,137			3,140			2,833			2,398			2,691		
178	178		100	100		84	84		140	140		113	113		182	182	
99	99		73	73		73	73		90	90		90	90		121	121	
225			313			352			319			215			187		
3,201	277		2,997	173		2,951	157		2,744	230		2,386	203		2,807	303	
426	426		360	360		379	379		437	437		487	487		588	588	
49			61			127			121			75			71		
3,578	**703**	*19.7*	**3,296**	**533**	*16.2*	**3,203**	**536**	*16.7*	**3,060**	**667**	*21.8*	**2,798**	**690**	*24.7*	**3,324**	**891**	*26.8*
6	6		4	4		4	4		5	5		8	8		8	8	
26	26		22	22		21	21		28	28		26	26		32	32	
107			106			100			116			94			96		
139	32		132	26		125	25		149	33		128	34		136	40	
47	45		39	39		42	42		41	41		46	46		62	62	
2			3			5			4			3			3		
182	**77**	*42.3*	**168**	**65**	*38.7*	**162**	**67**	*41.4*	**186**	**74**	*39.8*	**171**	**80**	*46.8*	**195**	**102**	*52.3*
5,811	**1,436**	*24.7*	**5,495**	**1,190**	*21.7*	**5,300**	**1,254**	*23.7*	**5,212**	**1,549**	*29.7*	**4,850**	**1,537**	*31.7*	**5,670**	**1,950**	*34.4*

NOTE: All 1983 data are *estimated* based on the most current information available at press time.

a. See page 39 of the March 1983 ***Organon.***
b. Total cotton fabric imports less estimated poundages for nonapparel uses.
c. See page 140 of the September/October 1983 ***Organon*** as revised.
d. Domestic shipments of man made fibers used in calculating the apparel end uses shown on page 140 of the September/October 1983 ***Organon.***
e. Grand Total man made fiber imports from page 29 of the February 1983 ***Organon*** less estimated poundages for nonapparel uses.
f. Total man made fiber fabric imports from page 39 of the March 1983 ***Organon*** less estimated poundages for nonapparel uses.

The U.S. apparel market has declined in the face of a rapidly increasing level of imports. During 1973-1983, the size of the U.S. apparel market declined at a trend line rate of -0.2%. This drop occurred at the same time imports of garments and apparel related products increased at a trend line rate of 6.3%. In 1983, the recovery year for the textile industry, the U.S. apparel market grew by 17% but imports increased by 27%.

The U.S. man-made fiber apparel market is showing an increasingly large share of imported products. Since 1979, imports of man-made fiber garments and apparel related products have increased dramatically. In 1979, these imports accounted for 16.2% of the U.S. man-made fiber apparel market, but by 1983 the import share rose to 26.8%. Since 1979, these imports have grown 67%, to 891 million pounds.

1983 Production, Shipment and Inventory Analysis

In comparing 1983 to 1980-1982, production and shipments of noncellulosic yarn+monofilaments and staple+tow have increased. Imports of noncellulosic fiber, although relatively small in relation to available supply, have increased greatly on a percentage-change basis, while exports of most types of noncellulosic fibers declined.

Both yarn+monofilament and staple+tow production rose between third and fourth quarter 1983. Though shipments of noncellulosic yarn+monofilaments rose fourth quarter, shipments of noncellulosic staple+tow fell. While exports of most types of noncellulosic fibers fell during the period, imports in all cases rose.

SUMMARY OF MAN MADE FIBER DATA

MILLION POUNDS & *Percent*

ITEM	1983		%ª	1982	%ᵇ	1983	1982	%ᶜ	1981	%ᵈ	1980	%ᵉ
	4TH Q	3RD Q		4TH Q		YEAR	YEAR		YEAR		YEAR	
	YARN+MONOFILAMENTS											
ACETATE												
PRODUCTION	**53.8**	**61.3**	*-12.3*	**43.2**	*+24.5*	**227.6**	**195.2**	*+16.6*	**257.0**	*-11.4*	**308.5**	*-26.2*
SHIPMENTS DOMESTIC	48.6	51.0	*-4.7*	37.5	*+29.6*	197.6	169.0	*+16.9*	226.3	*-12.7*	269.2	*-26.6*
EXPORT	6.8	8.4	*-19.0*	6.3	*+7.9*	28.2	29.8	*-5.4*	34.8	*-19.0*	32.7	*-13.8*
TOTAL SHIPMENTS	**55.4**	**59.4**	*-6.7*	**43.8**	*+26.5*	**225.8**	**198.8**	*+13.6*	**261.1**	*-13.5*	**301.9**	*-25.2*
ENDING STOCK	**12.5**	**14.1**	*-11.3*	**10.7**	*+16.8*							
NYLON+ARAMID												
PRODUCTION	**412.8**	**392.3**	*+5.2*	**320.6**	*+28.7*	**1492.2**	**1241.6**	*+20.2*	**1580.7**	*-5.6*	**1631.1**	*-8.5*
SHIPMENTS DOMESTIC	379.9	358.4	*+6.0*	294.8	*+28.9*	1392.4	1165.6	*+19.4*	1404.3	*-0.8*	1538.9	*-9.5*
EXPORT	25.5	27.3	*-6.6*	25.5	—	105.2	102.1	*+3.0*	128.7	*-18.2*	148.0	*-28.9*
TOTAL SHIPMENTS	**405.4**	**385.7**	*+5.1*	**320.3**	*+26.6*	**1497.6**	**1267.7**	*+18.1*	**1533.0**	*-2.3*	**1686.9**	*-11.2*
ENDING STOCK	**120.8**	**113.4**	*+6.5*	**126.2**	*-4.3*							
OLEFIN												
PRODUCTION	**171.9**	**183.4**	*-6.3*	**141.4**	*+21.6*	**709.0**	**585.2**	*+21.1*	**642.9**	*+10.3*	**632.2**	*+12.1*
SHIPMENTS DOMESTIC	} NA	182.1	*NA*	140.7	} *NA*	NA	577.0	} *NA*	628.3	} *NA*	611.7	} *NA*
EXPORT		3.5		4.2			15.3		19.8		20.7	
TOTAL SHIPMENTS	**168.4**	**185.6**	*-9.3*	**144.9**	*+16.2*	**706.9**	**592.3**	*+19.3*	**648.1**	*+9.1*	**632.4**	*+11.8*
ENDING STOCK	**56.7**	**53.2**	*+6.6*	**54.6**	*+3.8*							
POLYESTER												
PRODUCTION	**347.4**	**327.6**	*+6.0*	**283.5**	*+22.5*	**1359.3**	**1213.6**	*+12.0*	**1569.2**	*-13.4*	**1462.0**	*-7.0*
SHIPMENTS DOMESTIC	338.1	307.2	*+10.0*	278.1	*+21.6*	1294.2	1134.8	*+14.0*	1430.0	*-9.5*	1363.4	*-5.1*
EXPORT	15.5	13.9	*+11.5*	12.9	*+20.1*	66.5	102.8	*-35.3*	134.0	*-50.4*	133.1	*-50.0*
TOTAL SHIPMENTS	**353.6**	**321.1**	*+10.1*	**291.0**	*+21.5*	**1360.7**	**1237.6**	*+9.9*	**1564.0**	*-13.0*	**1496.5**	*-9.1*
ENDING STOCK	**97.6**	**103.8**		**99.0**								
TOTAL NONCELLULOSIC ABOVE												
PRODUCTION	**932.1**	**903.3**	*+3.2*	**745.5**	*+25.0*	**3560.5**	**3040.4**	*+17.1*	**3792.8**	*-6.1*	**3725.3**	*-4.4*
SHIPMENTS DOMESTIC	} NA	847.7	} *NA*	713.6	} *NA*	**NA**	2877.4	} *NA*	3462.6	} *NA*	3514.0	} *NA*
EXPORT		44.7		42.6			220.2		282.5		301.8	
TOTAL SHIPMENTS	**927.4**	**892.4**	*+3.9*	**756.2**	*+22.6*	**3565.2**	**3097.6**	*+15.1*	**3745.1**	*-5.0*	**3815.8**	*-6.6*
ENDING STOCK	**275.1**	**270.4**	*+1.7*	**279.8**	*-1.7*							
DOMESTIC SHIPMENTS	NA	847.7	*NA*	713.6	*NA*	NA	2877.4	*NA*	3462.6	*NA*	3514.0	*NA*
IMPORTS TEXTURED YARN	7.3	5.7	*+28.1*	6.1	*+19.7*	23.0	14.9	*+54.4*	8.4	*+173.8*	5.1	*+351.0*
OTHER YARN	11.4	7.7	*+48.0*	3.9	*+192.3*	33.2	13.4	*+147.8*	11.4	*+191.2*	12.1	*+174.4*
MONOFILAMENTS	0.5	0.4	*+25.0*	0.3	*+66.7*	1.7	1.5	*+13.3*	2.6	*-42.3*	4.0	*-57.5*
TOTAL IMPORTS	19.2	13.8	*+39.1*	10.3	*+86.4*	57.9	29.8	*+94.3*	22.4	*+158.5*	21.2	*+173.1*
TOTAL AVAILABLE	**NA**	**861.5**	*NA*	**723.9**	*NA*	**NA**	**2907.2**	*NA*	**3485.0**	*NA*	**3535.2**	*NA*
	TEXTILE GLASS FIBER											
PRODUCTION	**334.6**	**313.2**	*+6.8*	**240.8**	*+38.9*	**1166.0**	**899.2**	*+29.7*	**1041.1**	*+12.0*	**867.3**	*+34.4*
SHIPMENTS DOMESTIC	301.4	301.9	*-0.2*	228.4	*+32.0*	1144.3	861.5	*+32.8*	963.8	*+18.7*	867.1	*+32.0*
EXPORT	10.7	9.7	*+10.3*	9.9	*+8.1*	37.5	42.9	*-12.6*	35.2	*+6.5*	48.6	*-22.8*
TOTAL SHIPMENTS	**312.1**	**311.6**	*+0.2*	**238.3**	*+31.0*	**1181.8**	**904.4**	*+30.7*	**999.0**	*+18.3*	**915.7**	*+29.0*
ENDING STOCK	**125.2**	**102.7**	*+21.9*	**141.0**	*-11.2*							
IMPORTS	5.7	4.2	*+35.7*	3.4	*+67.6*	20.0	14.1	*+41.8*	18.2	*+9.9*	7.3	*+174.0*
TOTAL AVAILABLE	**307.1**	**306.1**	*+0.3*	**231.8**	*+32.5*	**1164.3**	**875.6**	*+33.0*	**982.0**	*+18.6*	**874.4**	*+33.1*

SUMMARY OF MAN MADE FIBER DATA *(Continued)*

MILLION POUNDS & *Percent*

ITEM	1983 4TH Q	1983 3RD Q	%[a]	1982 4TH Q	%[b]	1983 YEAR	1982 YEAR	%[c]	1981 YEAR	%[d]	1980 YEAR	%[e]
						STAPLE+TOW						
RAYON												
PRODUCTION	**98.0**	**92.1**	*+6.4*	**84.3**	*+16.2*	**374.8**	**355.0**	*+5.6*	**460.6**	*-18.6*	**443.3**	*-15.4*
SHIPMENTS DOMESTIC	85.8	84.6	*+1.4*	74.2	*+15.6*	333.5	293.7	*+13.5*	396.9	*-16.0*	390.7	*-14.6*
EXPORT	10.2	15.1	*-32.4*	21.0	*-51.4*	43.9	66.5	*-34.0*	59.8	*-26.6*	61.0	*-28.0*
TOTAL SHIPMENTS	**96.0**	**99.7**	*-3.7*	**95.2**	*+0.8*	**377.4**	**360.2**	*+4.8*	**456.7**	*-17.4*	**451.7**	*-16.4*
ENDING STOCK	**23.3**	**21.3**	*+9.4*	**25.9**	*-10.0*							
DOMESTIC SHIPMENTS	85.8	84.6	*+1.4*	74.2	*+15.6*	333.5	293.7	*+13.5*	396.9	*-16.0*	390.7	*-14.6*
IMPORTS FOR CONSUMPTION												
STAPLE	3.5	3.3	*+6.1*	2.3	*+52.2*	12.8	11.9	*+7.6*	14.6	*-12.3*	8.0	*+60.0*
GROUPED FILAMENTS	0.3	0.2	*+50.0*	0.4	*-25.0*	0.9	1.5	*-40.0*	2.2	*-59.1*	2.3	*-60.9*
TOTAL IMPORTS	3.8	3.5	*+8.6*	2.7	*+40.7*	13.7	13.4	*+2.2*	16.8	*-18.4*	10.3	*+33.0*
TOTAL AVAILABLE	**89.6**	**88.1**	*+1.7*	**76.9**	*+16.5*	**347.2**	**307.1**	*+13.0*	**413.7**	*-16.1*	**401.0**	*-13.4*
NYLON+ARAMID												
PRODUCTION	**242.7**	**252.4**	*-3.8*	**184.1**	*+31.8*	**926.4**	**685.0**	*+35.2*	**751.8**	*+23.2*	**726.6**	*+27.5*
SHIPMENTS DOMESTIC	221.4	236.2	*-6.3*	174.8	*+26.6*	897.1	673.3	*+33.2*	696.4	*+28.8*	711.2	*+26.1*
EXPORT	4.1	3.0	*+36.7*	5.2	*-21.1*	14.1	16.6	*-15.1*	25.1	*-43.8*	31.9	*-55.8*
TOTAL SHIPMENTS	**225.5**	**239.2**	*-5.7*	**180.0**	*+25.3*	**911.2**	**689.9**	*+32.1*	**721.5**	*+26.3*	**743.1**	*+22.6*
ENDING STOCK	**75.1**	**57.9**	*+29.7*	**59.9**	*+25.4*							
IMPORTS	8.4	6.1	*+37.7*	4.8	*+75.0*	27.7	11.5	*+140.9*	23.6	*+17.4*	1.7	*+1,529.4*
TOTAL AVAILABLE	**229.8**	**242.3**	*-5.1*	**179.6**	*+27.9*	**924.8**	**684.8**	*+35.0*	**720.0**	*+28.4*	**712.9**	*+29.7*
ACRYLIC+MODACRYLIC												
PRODUCTION	**162.9**	**168.8**	*-3.5*	**144.9**	*+12.4*	**670.5**	**624.1**	*+7.4*	**690.8**	*-2.9*	**779.2**	*-13.9*
SHIPMENTS DOMESTIC	114.9	127.9	*-10.2*	108.3	*+6.1*	492.2	457.9	*+7.5*	494.1	*-0.4*	585.3	*-15.9*
EXPORT	41.0	35.3	*+16.1*	43.7	*-6.2*	162.5	174.3	*-6.8*	200.4	*-18.9*	185.8	*-12.5*
TOTAL SHIPMENTS	**155.9**	**163.2**	*-4.5*	**152.0**	*+2.6*	**654.7**	**632.2**	*+3.5*	**694.5**	*-5.7*	**771.1**	*-15.1*
ENDING STOCK	**72.8**	**65.8**	*+10.6*	**57.0**	*+27.7*							
IMPORTS	3.4	4.0	*-15.0*	2.9	*+17.2*	13.6	7.9	*+72.1*	10.5	*+29.5*	13.3	*+2.2*
TOTAL AVAILABLE	**118.3**	**131.9**	*-10.3*	**111.2**	*+6.4*	**505.8**	**465.8**	*+8.6*	**504.6**	*+0.2*	**598.6**	*-15.5*
OLEFIN+VINYON												
PRODUCTION	**58.9**	**49.9**	*+11.2*	**34.0**	*+63.2*	**189.6**	**138.2**	*+37.2*	**142.0**	*+31.1*	**115.7**	*+60.9*
SHIPMENTS DOMESTIC	} NA	45.1	} *NA*	33.3	} *NA*	NA	138.9	} *NA*	132.0	} *NA*	115.0	} *NA*
EXPORT		2.6		2.1			4.9		1.5		3.7	
TOTAL SHIPMENTS	**55.6**	**47.7**	*+9.4*	**35.4**	*+47.4*	**189.7**	**143.8**	*+31.9*	**133.5**	*+39.5*	**118.7**	*+56.9*
ENDING STOCK	**20.0**	**16.7**	*+19.8*	**20.1**	*-0.5*							
POLYESTER												
PRODUCTION	**571.1**	**561.7**	*+1.7*	**509.5**	*+12.1*	**2184.1**	**1955.2**	*+11.7*	**2606.5**	*-16.2*	**2526.7**	*-13.5*
SHIPMENTS DOMESTIC	533.1	538.1	*-0.9*	456.0	*+16.9*	2099.2	1767.5	*+18.8*	2005.4	*+4.7*	2071.0	*+1.4*
EXPORT	24.3	21.8	*+11.5*	33.6	*-27.7*	98.6	174.1	*-43.4*	593.4	*-83.4*	468.4	*-78.9*
TOTAL SHIPMENTS	**557.4**	**559.9**	*-0.4*	**489.6**	*+13.9*	**2197.8**	**1941.6**	*+13.2*	**2598.8**	*-15.4*	**2539.4**	*-13.4*
ENDING STOCK	**174.1**	**160.4**	*+8.5*	**187.8**	*-7.3*							
IMPORTS	12.5	4.1	*+204.9*	1.9	*+557.9*	21.5	7.3	*+194.5*	6.6	*+222.7*	1.3	*+1,553.8*
TOTAL AVAILABLE	**545.6**	**542.2**	*+0.6*	**457.9**	*+19.1*	**2120.7**	**1774.8**	*+19.5*	**2012.0**	*+5.4*	**2072.3**	*+2.3*
TOTAL NONCELLULOSIC												
PRODUCTION	**1035.6**	**1032.8**	*+0.1*	**872.5**	*+18.3*	**3970.6**	**3402.5**	*+16.6*	**4191.1**	*-5.3*	**4148.2**	*-4.3*
SHIPMENTS DOMESTIC	} NA	947.3	} *NA*	772.4	} *NA*	NA	3037.6	} *NA*	3327.9	} *NA*	3482.5	} *NA*
EXPORT		62.7		84.6			369.9		820.4		689.8	
TOTAL SHIPMENTS	**994.4**	**1010.0**	*-1.9*	**857.0**	*+15.6*	**3953.4**	**3407.5**	*+15.9*	**4148.3**	*-4.7*	**4172.3**	*-5.2*
ENDING STOCK	**342.0**	**300.8**	*+13.7*	**324.8**	*+5.3*							
DOMESTIC SHIPMENTS	NA	947.3	*NA*	772.4	*NA*	NA	3037.6	*NA*	3327.9	*NA*	3482.5	*NA*
IMPORTS FOR CONSUMPTION												
3 FIBERS ABOVE	24.3	14.8	*+64.2*	9.6	*+153.1*	62.8	26.7	*+135.2*	40.7	*+54.3*	16.5	*+280.6*
OTHER N.C. STAPLE	3.6	1.5	*+140.0*	1.9	*+89.5*	10.3	11.5	*-10.4*	10.7	*-3.7*	14.6	*-29.4*
GROUPED FILAMENTS	8.9	6.1	*+45.9*	4.1	*+117.1*	28.5	13.0	*+119.2*	8.0	*+256.2*	4.5	*+533.3*
TOTAL IMPORTS	36.8	22.4	*+64.3*	15.6	*+135.9*	101.6	51.2	*+98.4*	59.4	*+71.0*	35.6	*+185.4*
TOTAL AVAILABLE	**NA**	**969.7**	*NA*	**788.0**	*NA*	**NA**	**3088.8**	*NA*	**3387.3**	*NA*	**3518.1**	*NA*

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM		1982					1983					1984				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							YARN+MONOFILAMENTS[a]									
ACETATE																
PRODUCTION		52.9	53.0	46.1	43.2	195.2	50.3	62.2	61.3	53.8	227.6					
SHIPMENTS	DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1	53.9	51.0	48.6	197.6					
	EXPORT	8.8	6.2	8.5	6.3	29.8	7.1	5.9	8.4	6.8	28.2					
TOTAL SHIPMENTS		53.7	53.3	48.0	43.8	198.8	51.2	59.8	59.4	55.4	225.8					
ENDING STOCK		13.5	13.2	11.3	10.7		9.8	12.2	14.1	12.5						
NYLON[b]																
PRODUCTION		299.9	309.0	312.1	320.6	1241.6	311.5	375.6	392.3	412.8	1492.2					
SHIPMENTS	DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0	359.1	358.4	379.9	1392.4					
	EXPORT	26.8	23.8	26.0	25.5	102.1	25.4	27.0	27.3	25.5	105.2					
TOTAL SHIPMENTS		308.4	320.3	318.7	320.3	1267.7	320.4	386.1	385.7	405.4	1497.6					
ENDING STOCK		143.8	132.5	125.9	126.2		117.3	106.8	113.4	120.8						
OLEFIN[c]																
PRODUCTION		154.3	146.9	142.6	141.4	585.2	166.8	186.9	183.4	171.9	709.0					
SHIPMENTS	DOMESTIC	146.8	145.0	144.5	140.7	577.0	160.6	184.2	182.1	NA	NA					
	EXPORT	4.7	3.3	3.1	4.2	15.3	3.9	4.2	3.5							
TOTAL SHIPMENTS		151.5	148.3	147.6	144.9	592.3	164.5	188.4	185.6	168.4	706.9					
ENDING STOCK		64.5	63.1	58.1	54.6		56.9	55.4	53.2	56.7						
POLYESTER																
PRODUCTION		331.5	318.1	280.5	283.5	1213.6	322.8	361.5	327.6	347.4	1359.3					
SHIPMENTS	DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3	342.6	307.2	338.1	1294.2					
	EXPORT	34.9	35.8	19.2	12.9	102.8	19.6	17.5	13.9	15.5	66.5					
TOTAL SHIPMENTS		332.1	328.3	286.2	291.0	1237.6	325.9	360.1	321.1	353.6	1360.7					
ENDING STOCK		122.4	112.2	106.5	99.0		95.9	97.3	103.8	97.6						
TOTAL NONCELLULOSIC ABOVE																
PRODUCTION		785.7	774.0	735.2	745.5	3040.4	801.1	924.0	903.3	932.1	3560.5					
SHIPMENTS	DOMESTIC	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	NA	NA					
	EXPORT	66.4	62.9	48.3	42.6	220.2	48.9	48.7	44.7							
TOTAL SHIPMENTS		792.0	796.9	752.5	756.2	3097.6	810.8	934.6	892.4	927.4	3565.2					
ENDING STOCK		330.7	307.8	290.5	279.8		270.1	259.5	270.4	275.1						
DOMESTIC SHIPMENTS		725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	NA	NA					
IMPORTS	TEXTURED YARN[d]	2.0	3.1	3.7	6.1	14.9	4.7	5.3	5.7	7.3	23.0					
	OTHER YARN[d]	2.8	2.6	4.1	3.9	13.4	6.6	7.5	7.7	11.4	33.2					
	MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4	0.4	0.4	0.5	1.7					
TOTAL IMPORTS		5.2	6.1	8.2	10.3	29.8	11.7	13.2	13.8	19.2	57.9					
TOTAL AVAILABLE		730.8	740.1	712.4	723.9	2907.2	773.6	899.1	861.5	NA	NA					
							TEXTILE GLASS FIBER									
PRODUCTION		207.6	209.8	241.0	240.8	899.2	245.1	273.1	313.2	334.6	1166.0					
SHIPMENTS	DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6	294.4	301.9	301.4	1144.3					
	EXPORT	11.5	10.3	11.2	9.9	42.9	8.4	8.7	9.7	10.7	37.5					
TOTAL SHIPMENTS		202.0	225.1	239.0	238.3	904.4	255.0	303.1	311.6	312.1	1181.8					
ENDING STOCK		151.8	136.5	138.5	141.0		131.1	101.1	102.7	125.2						
IMPORTS		3.8	3.2	3.7	3.4	14.1	4.8	5.3	4.2	5.7	20.0					
TOTAL AVAILABLE		194.3	218.0	231.5	231.8	875.6	251.4	299.7	306.1	307.1	1164.3					

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means not available at press time.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 36 & 37 of the March 1983 issue for further details on these yarns.

b. Includes Aramid in 1982.

c. Also include film fiber as well as spunbonded polypropylene.

d. Include singles and plied.

e. Acetate staple+tow data are available annually only; see pages 36 & 37 of the March 1983 issue for further details.

f. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW[e]									
RAYON															
PRODUCTION	**96.2**	**86.7**	**87.8**	**84.3**	**355.0**	**92.6**	**92.1**	**92.1**	**98.0**	**374.8**					
SHIPMENTS DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5					
EXPORT	13.4	16.8	15.3	21.0	66.5	6.9	11.7	15.1	10.2	43.9					
TOTAL SHIPMENTS	**91.0**	**86.6**	**87.4**	**95.2**	**360.2**	**87.0**	**94.7**	**99.7**	**96.0**	**377.4**					
ENDING STOCK	**36.3**	**36.4**	**36.8**	**25.9**		**31.5**	**28.9**	**21.3**	**23.3**						
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5					
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1	3.9	3.3	3.5	12.8					
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2	0.2	0.2	0.3	0.9					
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3	4.1	3.5	3.8	13.7					
TOTAL AVAILABLE	**81.4**	**72.6**	**76.2**	**76.9**	**307.1**	**82.4**	**87.1**	**88.1**	**89.6**	**347.2**					
NYLON[b]															
PRODUCTION	**140.5**	**169.3**	**191.1**	**184.1**	**685.0**	**196.4**	**234.9**	**252.4**	**242.7**	**926.4**					
SHIPMENTS DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0	243.5	236.2	221.4	897.1					
EXPORT	4.1	4.2	3.1	5.2	16.6	3.3	3.7	3.0	4.1	14.1					
TOTAL SHIPMENTS	**146.0**	**175.0**	**188.9**	**180.0**	**689.9**	**199.3**	**247.2**	**239.2**	**225.5**	**911.2**					
ENDING STOCK	**59.3**	**53.6**	**55.8**	**59.9**		**57.0**	**44.7**	**57.9**	**75.1**						
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6	7.6	6.1	8.4	27.7					
TOTAL AVAILABLE	**142.9**	**171.5**	**190.8**	**179.6**	**684.8**	**201.6**	**251.1**	**242.3**	**229.8**	**924.8**					
ACRYLIC+MODACRYLIC															
PRODUCTION	**149.6**	**171.1**	**158.5**	**144.9**	**624.1**	**160.4**	**178.4**	**168.8**	**162.9**	**670.5**					
SHIPMENTS DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1	129.3	127.9	114.9	492.2					
EXPORT	46.4	41.5	42.7	43.7	174.3	41.3	44.9	35.3	41.0	162.5					
TOTAL SHIPMENTS	**154.5**	**169.4**	**156.3**	**152.0**	**632.2**	**161.4**	**174.2**	**163.2**	**155.9**	**654.7**					
ENDING STOCK	**60.2**	**61.9**	**64.1**	**57.0**		**56.0**	**60.2**	**65.8**	**72.8**						
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3	3.9	4.0	3.4	13.6					
TOTAL AVAILABLE	**110.1**	**129.2**	**115.3**	**111.2**	**465.8**	**122.4**	**133.2**	**131.9**	**118.3**	**505.8**					
OLEFIN+VINYON															
PRODUCTION	**35.8**	**30.8**	**37.6**	**34.0**	**138.2**	**37.9**	**42.9**	**49.9**	**58.9**	**189.6**					
SHIPMENTS DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7	44.1	45.1	NA	**NA**					
EXPORT	0.6	0.6	1.6	2.1	4.9	0.7	1.9	2.6							
TOTAL SHIPMENTS	**29.9**	**40.5**	**38.0**	**35.4**	**143.8**	**40.4**	**46.0**	**47.7**	**55.6**	**189.7**					
ENDING STOCK	**31.6**	**21.9**	**21.5**	**20.1**		**17.6**	**14.5**	**16.7**	**20.0**						
POLYESTER															
PRODUCTION	**538.7**	**459.6**	**447.4**	**509.5**	**1955.2**	**492.0**	**559.3**	**561.7**	**571.1**	**2184.1**					
SHIPMENTS DOMESTIC	437.3	445.3	428.9	456.0	1767.5	487.6	540.4	538.1	533.1	2099.2					
EXPORT	86.4	28.3	25.8	33.6	174.1	30.1	22.4	21.8	24.3	98.6					
TOTAL SHIPMENTS	**523.7**	**473.6**	**454.7**	**489.6**	**1941.6**	**517.7**	**562.8**	**559.9**	**557.4**	**2197.8**					
ENDING STOCK	**189.2**	**175.2**	**167.9**	**187.8**		**162.1**	**158.6**	**160.4**	**174.1**						
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8	2.1	4.1	12.5	21.5					
TOTAL AVAILABLE	**439.2**	**447.0**	**430.7**	**457.9**	**1774.8**	**490.4**	**542.5**	**542.2**	**545.6**	**2120.7**					
TOTAL NONCELLULOSIC															
PRODUCTION	**864.6**	**830.8**	**834.6**	**872.5**	**3402.5**	**886.7**	**1015.5**	**1032.8**	**1035.6**	**3970.6**					
SHIPMENTS DOMESTIC	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	NA	NA					
EXPORT	137.5	74.6	73.2	84.6	369.9	75.4	72.9	62.7							
TOTAL SHIPMENTS	854.1	858.5	837.9	857.0	3407.5	918.8	1030.2	1010.0	994.4	3953.4					
ENDING STOCK	340.3	312.6	309.3	324.8		292.7	278.0	300.8	342.0						
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	NA	NA					
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[f]	4.9	3.7	8.5	9.6	26.7	10.7	13.6	14.2	24.3	62.8					
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7	2.5	1.5	3.6	10.3					
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4	8.1	6.1	8.9	28.5					
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8	24.2	21.8	36.8	101.6					
TOTAL AVAILABLE	**726.2**	**794.5**	**780.1**	**788.0**	**3088.8**	**862.2**	**981.5**	**969.1**	**NA**	**NA**					

See footnotes on opposite page.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1983												YEAR		
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	1983	1982	1981
CELLULOSIC YARN, MONOFIL & STRIPS															
BRAZIL	0	30	30	30	0	0	59	29	29	29	85	55	376	109	0
CANADA	208	341	88	121	0	92	115	79	224	51	15	46	1380	761	624
MEXICO	73	52	16	92	39	229	117	78	160	58	122	211	1247	1234	1517
AUSTRIA	41	289	219	138	249	316	42	23	0	13	0	0	1330	1702	63
GERMANY, FED. REP. OF	93	103	134	79	141	65	153	442	430	324	218	229	2411	1806	3752
NETHERLANDS	11	71	43	0	96	58	21	34	77	36	56	11	514	493	3382
UNITED KINGDOM	0	10	0	25	28	87	16	101	59	116	118	29	589	0	235
JAPAN	18	6	60	3	50	15	70	27	115	114	14	66	558	308	251
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4	24	5	46	7	9	77	288	614	895
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**748**	**637**	**724**	**8693**	**7027**	**10719**
CELLULOSIC STAPLE+TOW															
CANADA	442	346	225	425	556	444	380	551	495	606	658	454	5582	2604	4824
AUSTRIA	0	158	95	0	76	531	76	153	210	191	79	314	1883	3092	4703
FRANCE	0	0	56	0	18	1	0	3	0	0	13	0	91	195	42
SWEDEN	0	187	213	307	420	505	321	522	209	0	0	625	3309	4552	2709
UNITED KINGDOM	2	0	64	38	41	70	0	66	58	74	77	0	496	834	1886
JAPAN	134	174	151	178	199	165	157	48	148	192	28	49	1623	1520	1225
TAIWAN	5	22	0	0	69	0	0	0	0	0	37	0	133	11	0
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36	1	0	40	3	371	1	471	600	994
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**	**1160**	**1066**	**1263**	**1443**	**13588**	**13408**	**16763**
NONCELLULOSIC YARN, MONOFIL & STRIPS															
CANADA	752	426	734	662	705	829	678	680	666	615	721	549	8017	5350	2506
MEXICO	17	289	421	257	439	243	304	307	989	828	1229	850	6173	843	265
FRANCE	157	210	165	120	98	190	56	128	160	180	218	151	1833	1877	1836
GERMANY, FED. REP. OF	636	574	397	562	547	584	502	319	626	748	385	634	6514	7447	4606
ITALY	88	11	37	106	401	255	358	53	470	432	421	521	3153	452	1229
NETHERLANDS	1	34	11	81	6	17	48	3	17	9	19	36	282	60	171
SPAIN	153	92	31	127	32	286	248	34	134	228	63	33	1461	1	339
SWITZERLAND	47	122	74	96	59	106	40	67	15	49	17	90	782	211	150
UNITED KINGDOM	36	444	173	351	457	99	291	184	84	290	381	541	3331	455	381
ISRAEL	64	298	74	117	26	111	108	16	86	142	118	111	1271	73	10
JAPAN	810	902	590	888	1234	687	1182	844	538	880	1521	1530	11606	5915	6866
REP. OF KOREA	6	7	3	84	104	52	173	52	71	123	103	192	970	28	103
TAIWAN	13	49	25	1	3	58	18	29	19	133	54	91	493	86	3
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44	106	216	414	685	222	643	2481	1034	469
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**5342**	**5472**	**5972**	**48367**	**23832**	**18934**
NONCELLULOSIC STAPLE+TOW															
CANADA	278	400	491	274	838	1183	775	464	683	821	718	2337	9262	5450	6647
COSTA RICA	0	0	0	49	42	42	27	91	305	145	207	159	1067	0	40
MEXICO	1197	475	437	294	810	995	810	778	1426	998	3600	4888	16708	3479	3830
BELGIUM	6	72	2	34	2	36	17	19	76	28	204	0	496	161	872
FRANCE	1250	340	687	779	659	665	409	582	300	307	522	795	7295	7472	4343
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052	1774	862	862	2060	1393	805	16751	8779	18120
ITALY	421	1918	608	2105	325	666	348	478	410	1021	654	1294	10248	5488	7332
NETHERLANDS	0	38	49	93	52	28	75	77	143	436	3	0	994	420	446
SWITZERLAND	0	0	0	55	2	9	42	38	22	11	78	29	286	186	70
UNITED KINGDOM	233	736	816	1392	2099	1824	1429	1724	1143	1385	1990	2254	17025	2781	5075
AUSTRALIA	0	91	0	0	0	0	0	0	0	0	6	0	91	64	0
ISRAEL	0	55	57	0	0	0	0	0	0	0	15	20	147	60	31
JAPAN	933	513	1174	1083	779	1282	1353	1171	1560	1178	1504	1517	14047	7272	4716
REP. OF KOREA	0	40	0	40	0	95	40	40	41	40	32	80	448	33	31
TAIWAN	381	449	524	346	38	158	74	184	185	1014	204	875	4432	8309	7363
ALL OTHER COUNTRIES[d]	0	0	7	91	29	75	354	154	307	178	919	81	2195	1133	1601
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**9622**	**12043**	**15134**	**101492**	**51087**	**60517**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 51, Italy 37, Rep. of Korea 100, Spain 46, Sweden 9, Taiwan 14 and Yugoslavia 22.

b. Australia 370, Fed. Rep. of Germany 59, German Dem. Rep. 3, Mexico 5, Romania 33 and Venezuela 1.

c. Australia 17, Austria 176, Belgium 93, Brazil 5, Denmark 2, Costa Rica 15, Iceland 16, Indonesia 45, Ireland 45, Portugal 45, Romania 83, So. Africa 1833, Sweden 71 and Thailand 35.

d. Argentina 34, Austria 28, Brazil 112, Denmark 38, Finland 1, Ireland 39, Norway 265, Portugal 11, Romania 649, South Africa 785, Spain 57, Sweden 12, Turkey 129 and Yugoslavia 35.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR 1983	1982	1981
CELLULOSIC FIBERS																
YARN SINGLES																
TEXTURED	310.0106 & .0206	129	72	5	0	*	50	0	0	0	0	0	0	256	561	309
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770	576	734	1075	631	512	695	7843	6437	10373
MONOFILAMENTS	309.0510 & .0610	0	0	0	*	0	0	24	0	0	0	0	0	24	2	4
STRIPS, $1 LB & UNDER	309.2000*	0	12	3	34	38	46	17	84	65	117	125	29	570	27	33
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**	**866**	**617**	**818**	**1140**	**748**	**637**	**724**	**8693**	**7027**	**10719**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679	930	1236	1090	898	1209	1393	12752	11939	14626
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79	5	107	70	168	54	50	836	1469	2137
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**	**935**	**1343**	**1160**	**1066**	**1263**	**1443**	**13588**	**13408**	**16763**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0	0	38	0	36	26	0	277	395	519
NONCELLULOSIC FIBERS																
YARN SINGLES																
TEXTURED NYLON	310.0109 & .0209	284	338	271	266	445	501	329	242	387	526	638	896	5123	4744	3827
POLYESTER	310.0110 & .0210	79	40	1	20	127	125	73	144	284	375	475	439	2182	510	768
OTHER	310.0114 & .0214	853	364	674	602	655	794	726	622	714	784	488	383	7659	4340	492
OTHER NYLON	310.0149 & .0249	305	1337	744	1016	1383	984	1279	795	1328	1681	2004	1939	14745	5533	3976
POLYESTER	310.0150 & .0250	962	998	657	1023	1029	918	1334	874	1207	1455	1340	1852	13629	5263	5441
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122	141	138	93	267	324	275	2739	1639	1595
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73	119	156	76	229	188	157	164	1737	1497	2615
STRIPS, OVER $1 LB	309.2100 & .2500*	52	15	33	48	59	48	74	41	47	66	46	24	553	306	220
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**	**4112**	**2932**	**4289**	**5342**	**5472**	**5972**	**48367**	**23832**	**18934**
STAPLE NYLON	309.4338	1176	2537	1854	3072	2050	2518	2041	2320	1688	2360	2338	3694	27648	11503	23576
POLYESTER	309.4342	1522	361	934	689	621	833	1064	924	2005	1503	4144	6902	21502	7257	6649
ACRYLIC	309.4345	643	784	879	1040	1133	1769	1682	941	1339	1211	1123	1100	13644	7851	10465
OLEFIN	309.4340	106	3	203	133	92	82	53	26	95	126	223	53	1195	627	1134
OTHER	309.4355	706	660	929	978	342	840	487	405	490	1437	646	1068	9078	10853	10666
GROUPED FILAMENTS																
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526	1544	1382	1111	1898	1735	1620	19085	7620	2175
POLYESTER	309.3040 & .3140	*	5	6	175	101	59	30	94	317	170	878	200	2035	56	336
ACRYLIC	309.3050 & .3150	324	881	416	570	311	397	613	463	384	879	949	455	6642	4438	3434
OTHER	309.3065 & .3165	16	74	79	82	94	86	13	107	34	38	7	42	663	882	2082
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**	**7527**	**6662**	**7463**	**9622**	**12043**	**15134**	**101492**	**51087**	**60517**
WASTE, NOT ADVANCED NYLON	309.6625	1197	1344	2092	1917	2281	2004	2395	2727	2584	2948	3897	1359	26745	22190	25255
POLYESTER	309.6630	572	1339	909	809	677	856	1324	1151	1371	1507	2324	165	13004	11187	18111
ACRYLIC	309.6645	45	130	0	54	0	0	0	0	40	35	0	0	304	932	2872
OTHER	309.6660	266	129	118	443	491	405	250	203	156	81	145	37	2724	2530	2969
NOILS & GARNETTED FIBERS	309.6000 & .7000*	0	0	0	26	31	41	0	31	31	72	0	0	232	55	85
OTHER WASTE, ADVANCED	309.7525-.7555	280	162	399	408	56	259	40	241	121	237	299	578	3080	851	536
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**	**3565**	**4009**	**4353**	**4303**	**4880**	**6665**	**2139**	**46089**	**37745**	**49828**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**	**17200**	**16146**	**18355**	**21694**	**26106**	**25412**	**218506**	**133494**	**157280**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD																
YARN PLIED																
TEXTURED CELLULOSIC	310.1106	0	0	0	0	0	*	0	1	0	0	*	0	1	2	25
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	410	575	777	665	641	881	646	1020	670	8110	5315	3385
OTHER CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2	5	1	5	8	17	7	4	93	146	21
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	302	129	160	214	117	115	27	2054	979	373
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163	54	172	73	151	81	99	1091	325	659
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888	3184	2165	2563	3813	2590	2418	31487	22056	18599
OTHER YARNS, NES, INCL. CHENILLE	310.6029-.8000	375	193	325	329	417	558	164	120	134	165	97	78	2955	3107	4117
HANDWORK YARNS & SEWING THREAD	310.9000-.9140	229	269	257	218	235	326	85	185	122	340	231	157	2654	2277	2797
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534	530	413	189	460	234	115	4755	2626	3622
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657	204	939	1987	1378	1775	1447	2469	20020	14100	18212
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**	**22951**	**21995**	**23917**	**29178**	**31886**	**31449**	**291726**	**184427**	**209090**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982					1983				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	132	72	34	164	402	74	103	16	46	239
OTHER[b]	310.0026	7194	4450	5912	4062	21618	5019	3332	3803	3342	15496
MONOFILAMENTS	309.0110	2	9	1	3	15	11	4	5	23	43
STRIPS	309.2210	66	5	32	2	105	0	12	5	23	40
SUBTOTAL ABOVE		**7394**	**4536**	**5979**	**4231**	**22140**	**5104**	**3451**	**3829**	**3434**	**15818**
STAPLE+TOW - RAYON	309.4222	13772	14001	16905	18693	63371	7979	17999	8811	5329	40118
STAPLE - ACETATE	309.4219	919	931	551	1241	3642	593	688	417	1395	3093
SUBTOTAL ABOVE		**14691**	**14932**	**17456**	**19934**	**67013**	**8572**	**18687**	**9228**	**6724**	**43211**
WASTE, ADVANCED & NOT ADVANCED	309.7400	1007	1262	385	539	3193	361	161	239	602	1363
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON TEXTURED	310.0008 & .0009	9779	9643	11021	8986	39429	10913	10917	9730	8448	40008
HIGH TENACITY[c]	310.0027	13520	12582	10156	12138	48396	14240	14383	12544	14439	55606
OTHER	310.0029	3785	3340	1801	2863	11789	3587	3825	3932	4236	15580
POLYESTER TEXTURED	310.0010	63471	71864	26029	21571	182935	22202	18265	12050	11523	64040
HIGH TENACITY[c]	310.0032	5134	3747	2726	2145	13752	3369	3541	3191	2136	12237
OTHER[d]	310.0034	2902	4506	1611	1160	10179	1123	885	728	977	3713
OTHER TEXTURED	310.0014	3235	2847	4117	5453	15652	3147	3370	3445	2669	12631
OLEFIN	310.0040	224	447	166	287	1124	246	161	168	231	806
OTHER	310.0044	1371	1327	508	685	3891	715	1407	725	763	3610
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	1142	1119	695	1468	4424	797	378	439	736	2350
POLYESTER[e]	309.0130	1919	700	1065	558	4242	540	769	871	745	2925
OTHER	309.0170	2085	2025	1880	2195	8185	2501	2612	2146	2671	9930
STRIPS	309.2220 & .2270	799	634	620	313	2366	1047	802	575	818	3242
SUBTOTAL ABOVE		**109366**	**114781**	**62395**	**59822**	**346364**	**64427**	**61315**	**50544**	**50392**	**226678**
STAPLE NYLON	309.4240	4018	3694	3459	4203	5374	3438	2806	3115	4159	13518
POLYESTER	309.4252	90356	30164	32374	36690	189584	30316	33213	13408	24318	101255
ACRYLIC	309.4245	32810	31987	31585	30235	126617	32262	31589	25346	25188	114385
OLEFIN	309.4246	522	948	2668	3478	7616	845	1033	961	859	3698
OTHER	309.4247	4395	4436	2813	3766	15410	3446	3409	2050	3069	11974
GROUPED FILAMENTS											
NYLON	309.3220	1539	1313	1174	940	4966	691	1136	822	776	3425
POLYESTER[d]	309.3240	9528	6684	6780	5141	28133	9453	6876	5731	6830	28890
ACRYLIC	309.3250 & .3255	5472	6363	6168	5319	23322	8204	8701	8994	8722	34621
SUBTOTAL ABOVE		**148640**	**85589**	**87021**	**89772**	**411022**	**88655**	**88763**	**60427**	**73921**	**311766**
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	3542	2759	1291	4214	11806	1737	2649	3424	4031	11841
POLYESTER	309.7630	17204	14920	8281	10498	50903	11042	10247	8456	10728	40473
ACRYLIC	309.7640	574	651	228	260	1713	276	404	600	745	2025
OTHER	309.7660	7146	5564	3939	5005	21654	4930	3048	4151	4813	16942
SUBTOTAL ABOVE		**28466**	**23894**	**13739**	**19977**	**86076**	**17985**	**16348**	**16631**	**20317**	**71281**
TOTAL MAN-MADE FIBER ABOVE		**309564**	**244994**	**186975**	**194275**	**935808**	**185104**	**188725**	**140898**	**155390**	**670117**
TEXTILE GLASS FIBER	309.2700 & .9700	11318	11981	11246	9169	43714	10333	8804	9860	10416	39413
GRAND TOTAL ABOVE		**320882**	**256975**	**198221**	**203444**	**979522**	**195437**	**197529**	**150758**	**165806**	**709530**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.0**	**18.0**	**19.5**	**17.9**	**225.8**	**198.8**
NYLON[e] INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	32.1	32.7	27.4	318.1	324.5
LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	3.1	3.2	3.2	4.2	35.5	29.5
CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	66.8	69.5	69.9	762.6	582.1
TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	31.5	32.0	33.5	30.9	381.4	331.6
POLYESTER INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	25.9	27.1	24.8	307.6	288.0
LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	2.4	2.3	2.1	26.0	22.4
TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	83.3	92.9	92.8	1027.1	927.1
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	62.5	63.6	57.2	53.0	58.2	706.9	592.3
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**308.6**	**313.7**	**302.9**	**314.2**	**310.3**	**3565.2**	**3097.5**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**30.9**	**32.8**	**32.3**	**377.4**	**360.2**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	79.5	77.2	68.8	911.2	689.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	52.6	52.7	50.6	654.7	632.2
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	184.3	186.1	187.0	2197.8	1941.6
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	18.8	17.2	16.2	186.3	143.8
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**335.2**	**333.2**	**322.6**	**3950.0**	**3407.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**15.3**	**14.3**	**12.5**	**12.5**	**10.7**
NYLON[e] INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	23.1	19.6	23.8	23.8	27.0
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	4.8	4.5	4.0	4.0	3.2
CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	49.0	47.9	54.0	54.0	54.8
TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3	36.4	39.0	39.0	41.2
POLYESTER INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	20.4	18.9	18.7	18.7	27.2
LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.6	2.7	3.2	3.2	3.0
TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	85.6	75.4	75.7	75.7	68.8
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	53.2	56.3	57.4	56.7	56.7	54.6
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**270.4**	**281.1**	**262.8**	**275.1**	**275.1**	**279.8**
STAPLE+TOW+FIBERFILL														
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**23.4**	**24.4**	**23.3**	**23.3**	**25.9**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	60.3	60.0	75.1	75.1	59.9
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	65.0	67.5	72.8	72.8	57.0
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	176.4	175.2	174.1	174.1	187.8
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.8	18.9	20.0	20.0	20.1
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**318.5**	**321.6**	**342.0**	**342.0**	**324.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	12.8	14.1	13.7	14.1		139.6	110.2
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.6	1.4	0.9	0.8		10.0	9.3
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.4	15.5	14.6	14.9		149.6	119.5
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	262.8	246.4	242.6	247.2	190.9	2785.2	2304.5

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984 JAN	FEB	MAR	APR	MAY	JUN	YEAR TO DATE[a] 1984	1983
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**17.8**						**17.8**	**15.1**
NYLON[e] INDUSTRIAL[f]	27.8						17.8	20.8
LOW DENIER INDUSTRIAL[g]	2.9						2.9	2.5
CARPET	69.9						69.9	45.4
TEXTILE	34.5						34.5	27.8
POLYESTER INDUSTRIAL[f]	25.0						25.0	24.0
LOW DENIER INDUSTRIAL[g]	1.9						1.9	1.9
TEXTILE	84.9						84.9	73.9
OLEFIN[h]	53.1						53.1	51.2
TOTAL NONCELLULOSIC ABOVE[i]	**300.0**						**300.0**	**247.5**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**32.4**						**32.4**	**29.5**
NYLON[e]	80.3						80.3	64.8
ACRYLIC+MODACRYLIC	53.0						53.0	49.3
POLYESTER	172.5						172.5	154.2
OLEFIN+VINYON	19.4						19.4	11.4
TOTAL NONCELLULOSIC ABOVE	**325.2**						**325.2**	**279.7**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**14.3**						**14.3**	**10.2**
NYLON[e] INDUSTRIAL[f]	22.6						22.6	26.4
LOW DENIER INDUSTRIAL[g]	4.0						4.0	3.4
CARPET	52.1						52.1	54.2
TEXTILE	36.5						36.5	40.5
POLYESTER INDUSTRIAL[f]	19.1						19.1	27.2
LOW DENIER INDUSTRIAL[g]	3.4						3.4	3.5
TEXTILE	76.1						76.1	66.8
OLEFIN[h]	58.1						58.1	57.1
TOTAL NONCELLULOSIC ABOVE[i]	**271.9**						**271.9**	**279.1**
STAPLE+TOW+FIBERFILL								
RAYON	**25.1**						**25.1**	**29.6**
NYLON[e]	70.8						70.8	52.0
ACRYLIC+MODACRYLIC	77.3						77.3	60.2
POLYESTER	175.3						175.3	178.4
OLEFIN+VINYON	20.4						20.4	19.2
TOTAL NONCELLULOSIC ABOVE	**343.8**						**343.8**	**309.8**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL								
CARPET CLASS WOOL								
TOTAL RAW WOOL								
RAW COTTON								

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a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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Textile Organon

Vol 55, No. 3 □ March/April 1984

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MONTHLY REVIEW

Highlights

Textile Organon **Features**

1983: A Year in Perspective . . . begins on page 35.
1983 Import/Export Review . . . begins on page 44.
Measuring Productivity:
Indexes of Output for the U.S. Man-Made Fiber Industry . . . begins on page 52.

1983 End Use Results

Filament Yarn Domestic Shipments Rise to 3,583 million pounds . . . see page 56.
Staple+Tow Domestic Shipments Rise to 4,005 million pounds . . . see page 57.

A record was set in March as more pounds of olefin+vinyon staple+tow were shipped than in any other month in history.

Shipments of polyester staple+tow rose in March to the highest level since September 1983, while shipments of acrylic+modacrylic staple+tow rose to the highest level since April 1981.

Nylon yarn shipments to the carpet trades rose in March, though shipments of nylon textile yarn fell.

*Due to production difficulties, the April and March editions of the **Organon** have been combined into this issue.*

TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM	1984 MAR	1984 FEB	%[a]	1983 MAR	%[b]	YEAR TO DATE 1984	YEAR TO DATE 1983	%[c]
YARN+MONOFILAMENTS								
ACETATE	**19.8**	**16.9**	+17.1	**20.4**	-2.9	**54.5**	**51.2**	+6.4
NYLON[d] - INDUSTRIAL	32.8	29.9	+9.7	25.7	+27.6	90.8	70.0	+29.7
- LOW DENIER INDUSTRIAL	3.0	3.0	--	2.9	+3.4	8.9	7.8	+14.1
- CARPET	65.5	62.9	+4.1	56.3	+16.3	198.4	150.1	+32.2
- TEXTILE	30.9	31.3	-1.3	34.3	-9.9	96.7	92.5	+4.5
POLYESTER - INDUSTRIAL	28.3	25.2	+12.3	25.4	+11.4	78.0	73.0	+6.8
- LOW DENIER INDUSTRIAL	2.1	2.1	--	2.0	+5.0	6.1	5.6	+8.9
- TEXTILE	67.1	69.9	-4.0	90.6	-25.9	221.9	247.3	-10.3
OLEFIN	62.5	55.7	+12.2	58.3	+7.2	168.9	164.5	+2.7
TOTAL NONCELLULOSIC ABOVE	**292.2**	**280.0**	+4.3	**295.5**	-1.1	**869.7**	**810.8**	+7.3
STAPLE+TOW+FIBERFILL								
RAYON	**38.0**	**31.6**	+20.2	**30.9**	+23.7	**102.0**	**87.0**	+17.2
NYLON[d]	70.8	65.9	+7.4	71.0	-0.3	216.7	199.3	+8.7
ACRYLIC+MODACRYLIC	63.9	52.2	+22.4	59.9	+6.7	169.1	161.4	+4.8
POLYESTER	197.0	177.5	+11.0	191.4	+2.9	547.0	517.7	+5.6
OLEFIN+VINYON	20.4	18.5	+10.3	14.7	+38.8	57.5	40.4	+42.3
TOTAL NONCELLULOSIC ABOVE	**352.1**	**314.1**	+12.1	**337.0**	+4.5	**990.3**	**918.8**	+7.8

-- No change from previous month.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumlative total this year.

d. Nylon excludes Aramid.

Also see footnotes on last page of this issue.

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Textile Organon

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TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM	1984 FEB	1984 JAN	%[a]	1983 FEB	%[b]	YEAR TO DATE 1984	YEAR TO DATE 1983	%[c]
YARN+MONOFILAMENTS								
ACETATE	**16.9**	**17.8**	*-5.0*	**15.7**	*+7.6*	**34.7**	**30.8**	*+12.7*
NYLON[d] - INDUSTRIAL	29.9	28.1	*+6.4*	23.5	*+27.2*	58.0	44.3	*+30.9*
- LOW DENIER INDUSTRIAL	3.0	2.9	*+3.4*	2.4	*+25.0*	5.9	4.9	*+20.4*
- CARPET	62.9	70.0	*-10.1*	48.4	*+29.9*	132.9	93.8	*+41.7*
- TEXTILE	31.3	34.5	*-9.3*	30.4	*+3.0*	65.8	58.2	*+13.0*
POLYESTER - INDUSTRIAL	25.2	24.5	*+2.8*	23.6	*+6.8*	49.7	47.6	*+4.4*
- LOW DENIER INDUSTRIAL	2.1	1.9	*+10.5*	1.7	*+23.5*	4.0	3.6	*+11.1*
- TEXTILE	69.9	84.9	*-17.7*	82.8	*-15.6*	154.8	156.7	*-1.2*
OLEFIN	55.7	50.7	*+9.9*	55.0	*+1.3*	106.4	106.2	*+0.2*
TOTAL NONCELLULOSIC ABOVE	**280.0**	**297.5**	*+5.9*	**267.8**	*+4.5*	**577.5**	**515.3**	*+12.1*
STAPLE+TOW+FIBERFILL								
RAYON	**31.6**	**32.4**	*-2.5*	**26.6**	*+18.8*	**64.0**	**56.1**	*+14.1*
NYLON[d]	65.9	80.0	*-17.6*	63.5	*+3.8*	145.9	128.3	*+13.7*
ACRYLIC+MODACRYLIC	52.2	53.0	*-1.5*	52.2	--	105.2	101.5	*+3.6*
POLYESTER	177.5	172.5	*+2.9*	172.1	*+3.1*	350.0	326.3	*+7.3*
OLEFIN+VINYON	18.5	18.6	*-0.5*	14.3	*+29.4*	37.1	25.7	*+44.3*
TOTAL NONCELLULOSIC ABOVE	**314.1**	**324.1**	*-3.1*	**302.1**	*+4.0*	**638.2**	**581.8**	*+9.7*

-- No change from previous month.
a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total iast year to cumlative total this year.
d. Nylon excludes Aramid.
Also see footnotes on last page of this issue.

1983: A YEAR IN PERSPECTIVE

Editor's Note-- *Over the recent years, a growing percentage of glass fiber has been utilized in various non-textile reinforced plastic applications. When added into the overall fiber consumption series these applications distort true* ***textile*** *mill consumption. In an effort to eliminate this distortion, all U.S. mill consumption data for man-made fiber have been revised back to 1970 to include only glass fiber actually used in textile applications. These textile applications include glass yarn used for weaving, tire cord and selected reinforced plastics. The other types of glass fiber include, for example, roving and mat applications. This distinction has been made to provide, first of all, a more precise* ***textile*** *fiber mill consumption series, but, more specifically, a consumption series compatible with other series published for Western Europe and other parts of the world.*

In 1983, U.S. mill consumption of man-made fiber rose 20% to the highest level since 1979. This rise in annual consumption follows three consecutive years of declining consumption. In addition, man-made fiber registered an increase in market share when compared to the total consumption for man-made fiber, cotton and wool. In 1983, the man-made fiber share of the total rose to 73.4%, while cotton fell to 25.1% and wool rose to 1.5%.

Exports of man-made fiber (excluding glass fiber) declined in 1983. Although there was a net export balance of nearly 452 million pounds, the 1983 level was 351 million pounds less than in 1982, a 44% decline.

Imports of man-made fiber (excluding glass fiber) rose to nearly 219 million pounds in 1983, an increase of 8.5 million pounds over 1982. But imports of man-made fiber manufactures increased by 191 million pounds. Even though exports of these manufactures rose over 20 million pounds in 1983, there was a resulting net import balance of 428 million pounds, nearly 169 million pounds higher than the 1982 net import balance level.

In the following feature (pages 35-42), data are presented to describe 1983 in terms of domestic shipments, imports, exports and consumption of man-made fibers and related products. For comparison purposes, man-made fiber, cotton and wool data are supplied as well.

MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	GLASS[d]	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.1	3.8	0.3	9.2
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.1	4.0	0.2	10.3
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.2	3.9	0.2	11.3
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.2	3.6	0.2	12.0
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.2	3.3	0.1	10.7
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.1	3.1	0.1	10.2
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.1	3.4	0.1	11.0
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.1	3.2	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.2	3.0	0.1	11.7
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.2	3.1	0.1	12.0
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.2	3.1	0.1	11.3
1981	0.5	0.2	2.2	3.5	0.5	0.8	0.1	2.7	0.2	10.7
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.1	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.5	0.5	0.9	0.2	2.8	0.2	11.1

a. Includes triacetate. Cigarette tow is excluded.
b. Includes aramid for all years but 1983.
c. Includes modacrylic.
d. Includes only glass fibers for Textile End Uses. See page 37 for Total Shipments of Glass Fibers.

U.S. MILL CONSUMPTION OF MAN-MADE FIBER[a], COTTON & WOOL

MILLION POUNDS & *PERCENT*

YEAR	MAN-MADE FIBER[a]	%[b]	%[c]	COTTON	%[b]	%[c]	WOOL	%[b]	%[c]	TOTAL	%[b]	%[c]
1970	5240.6	--	56.5	3773.6	--	40.6	273.3	--	2.9	9287.5	--	100.0
1971	6204.3	+18.4	59.7	3965.1	+5.1	38.2	219.3	-19.8	2.1	10388.7	+11.8	100.0
1972	7155.3	+15.3	63.6	3849.8	-2.9	34.2	246.9	+12.6	2.2	11252.0	+8.3	100.0
1973	8145.5	+13.8	68.0	3643.3	-5.4	30.5	182.1	-26.2	1.5	11970.9	+6.4	100.0
1974	7221.8	-11.3	67.8	3306.1	-9.3	31.1	116.5	-36.0	1.1	10644.4	-11.1	100.0
1975	7003.2	-3.0	68.6	3068.7	-7.2	30.1	132.0	+13.3	1.3	10203.9	-4.1	100.0
1976	7511.9	+7.3	68.0	3389.0	+10.4	30.7	145.9	+10.5	1.3	11046.8	+8.3	100.0
1977	8237.2	+9.6	71.4	3169.8	-6.5	27.5	133.9	-8.2	1.1	11540.9	+4.5	100.0
1978	8494.7	+3.1	72.8	3040.4	-4.1	26.0	141.6	+5.7	1.2	11676.7	+1.2	100.0
1979	8696.9	+2.4	73.1	3066.4	+0.8	25.8	134.4	-5.1	1.1	11897.7	+1.9	100.0
1980	8063.5	-7.3	71.6	3064.4	-0.1	27.2	137.8	+2.5	1.2	11265.7	-5.3	100.0
1981	7862.0	-2.5	73.2	2730.8	-10.9	25.4	152.7	+10.8	1.4	10745.5	-4.6	100.0
1982	6775.1	-13.8	72.2	2478.9	-9.2	26.4	129.5	-15.2	1.4	9383.5	-12.7	100.0
1983	8153.9	+20.3	73.4	2795.7	+12.8	25.1	162.5	+25.5	1.5	11112.1	+18.4	100.0

a. Man-made fiber data include *only* glass fiber for textile end uses, see page 37 for total shipments and total consumption of glass fiber.
b. Percent change from year to year.
c. Percent change of total fiber consumption.

MAN-MADE FIBER PRODUCTION

MILLION POUNDS

	CELLULOSIC									NONCELLULOSIC FIBER[c–h]			TOTAL TO THE LEFT	TOTAL GLASS FIBER[i]	TOTAL MAN-MADE FIBER
	RAYON YARN[a]			ACET YARN[b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A						
YEAR	INDUS	TEXT	TOTAL			RAYON	ACET[b]	TOTAL		YARN	STAPLE	TOTAL			
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3	1995.4
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3	2435.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9	2696.7
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5	3078.0
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3	3589.4
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4	3934.2
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8	4050.2
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7	5226.4
1969	168.6	150.6	319.2	455.2	774.4	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4	5605.5
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3	5426.7
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2	6151.9
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6	7321.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0	8354.4
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9	8105.3
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5	7181.2
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0	8143.5
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7	9002.3
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3	9610.8
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4	10380.8
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3	9565.8
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1	9817.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2	7943.5
1983	15.3	11.2	26.5	227.6	254.1	374.8	1.4	376.2	630.3	3567.8	3970.6	7538.4	8168.7	1168.5	9337.2

NONCELLULOSIC FIBER PRODUCTION DETAIL

MILLION POUNDS

	YARN+MONOFILAMENTS					STAPLE+TOW+FIBERFILL				
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	OTHER[f]	TOTAL	NYLON[c]	ACRYL[g]	ESTER[e]	OTHER[h]	TOTAL
1961	441.7	18.9	36.6		497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1		627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5		712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1		847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0		997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5		1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8		1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1		1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2		1766.9	223.2	533.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1		1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2		2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	951.7	11.2	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1319.8	13.2	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1408.0	11.9	3443.0	563.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1458.9	11.7	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1404.7	13.5	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1592.1	15.5	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1563.7	16.0	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1715.6	18.0	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1462.0	19.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1569.2	22.0	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1213.6	17.0	3057.4	685.0	624.1	1955.2	138.2	3402.5
1983	1492.2	716.1	1359.5	NA	3567.8	926.4	670.5	2184.1	189.6	3970.6

NA No longer available.

a. Includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Includes diacetate and triacetate. The acetate staple+tow data do not include the poundages produced for cigarette filtration purposes.

c. Excludes aramid in 1983.

d. Includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester.

f. Other yarn is chiefly saran and spandex in recent years.

g. Includes modacrylic.

h. Other staple+tow includes only olefin and vinyon for recent years. Earlier years' data are on pages 8 & 9 of the January 1962 ORGANON Base Book issue and page 4 of the January-February 1971 issue.

i. Includes both textile and non-textile types of glass (see text page 35).

MAN-MADE FIBER DISTRIBUTION

MILLION POUNDS

CELLULOSIC

	YARN+MONOFILANENTS							STAPLE+TOW							TOTAL GLASS FIBER[i]				
	PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS				
	TO DOM. CONSUMERS[a]							TO DOM. CONSUMERS											
YEAR	RAYON	ACET	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	RAYON	ACET[b]	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	DOMESTIC	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	411.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2	--	147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	--	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	--	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	--	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	--	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	7.0	206.1	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6
1983	25.3	197.6	222.9	28.2	251.1	8.7	231.6	333.5	1.4	334.9	43.9	378.8	13.6	348.5	1146.1	37.4	1183.5	20.0	1166.1

NONCELLULOSIC

	YARN+MONOFILAMENTS									STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS									PRODUCERS' SHIPMENTS								
	TO DOMESTIC CONSUMERS									TO DOMESTIC CONSUMERS								
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	OTH[f]	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	NYLON[c]	ACRYL[g]	ESTER[e]	OTH[h]	TOTAL	EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS
1961	419.0	17.5	36.1		472.6	25.2	497.8	4.7	477.3	36.0	123.8	70.9	3.0	233.7	22.3	256.0	3.2	236.9
1962	503.1	22.5	38.1		563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9		648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6		793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2		919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	81.4	13.4	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	133.0	11.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	226.7	10.5	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	353.6	10.9	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	433.0	10.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	636.8	10.1	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	935.4	11.4	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1320.5	13.1	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1295.2	12.0	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1477.0	12.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1373.9	12.0	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1510.6	15.0	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1507.6	15.5	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1525.1	17.0	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.5
1980	1538.9	611.7	1363.4	18.0	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1430.0	20.5	3483.1	262.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4
1982	1165.6	577.0	1134.8	16.5	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8
1983	1392.4	698.6	1294.4	NA	3385.4	187.3	3572.7	48.3	3433.7	897.1	492.2	2099.2	183.4	3671.9	281.5	3953.4	101.4	3773.3

Domestic consumption (CONS) means the sum of producers' domestic shipments and imports for consumption.

Imports for consumption (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarns; sewing thread; sliver, tops & roving and waste.

a-i. See these lettered footnotes on the opposite page.

Noncellulosic data from 1940 are on page 5 of the January-February 1971 issue. Rayon+acetate data from 1911 are on page 9 of the January 1962 ORGANON Base Book.

U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS

MILLION POUNDS & *Percent*

	MAN-MADE FIBER MILL CONSUMPTION = PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																						
	CELLULOSIC FIBER											NONCELLULOSIC FIBER											GLASS FIBER TEXTILE END USES[b]	TOTAL GLASS FIBER (Non-Add)
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE						
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
1970	695.9	3.7	699.6	634.2	80.6	714.8	34.5	0.1	22.9	11.7	1426.1	1682.6	120.8	1803.4	1682.1	57.7	1739.8	136.3	21.7	31.3	126.7	3669.9	144.6	404.9
1971	729.3	5.2	734.5	669.8	81.3	751.1	36.3	--	15.9	20.4	1506.0	2100.1	234.4	2334.5	1964.1	93.3	2057.4	157.8	36.2	29.4	164.6	4556.5	141.8	466.7
1972	632.8	10.8	643.6	718.4	51.3	769.7	38.5	--	23.6	14.9	1428.2	2689.8	224.5	2914.3	2363.1	103.7	2466.8	202.7	48.0	63.5	187.2	5568.3	158.8	569.2
1973	589.9	18.1	608.0	734.5	47.4	781.9	36.8	--	37.5	-0.7	1389.2	3273.7	140.1	3413.8	2848.4	112.8	2961.2	274.8	47.8	98.6	224.0	6599.0	157.3	676.0
1974	473.4	9.2	482.6	589.2	38.7	627.9	29.9	0.2	33.0	-2.9	1107.6	3142.3	92.1	3234.4	2450.5	73.2	2523.7	246.4	46.3	91.2	201.5	5959.6	154.6	630.8
1975	338.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0	3214.8	53.8	3268.6	2553.5	55.2	2608.7	228.7	25.0	50.0	203.7	6081.0	120.2	533.5
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3147.2	64.0	3211.2	3018.5	67.3	3085.8	262.3	30.5	70.2	222.6	6519.6	137.0	677.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0	141.0	791.3
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3	153.7	886.7
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4	173.5	922.6
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0	177.8	874.4
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2	140.5	982.0
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.1	3088.7	173.2	37.8	86.1	124.9	6131.3	121.7	875.6
1983	222.9	8.7	231.6	334.9	13.6	348.5	9.4	0.3	1.4	8.3	588.4	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9	169.6	1203.5

	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 3 FIBERS (CONS) + MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MAN-MADE FIBER[a]		COTTON		WOOL		SILK		TOTAL		MAN-MADE FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(24)		(25)		(26)		(27		(28)		(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1970	5240.6	56.5	3773.6	40.6	273.3	2.9	1.8	--	9289.3	100	329.3	147.1	5422.8	463.1	199.2	4037.5	85.9	4.9	354.3	878.3	351.2	9814.6
1971	6204.3	59.7	3965.1	38.2	219.3	2.1	1.7	--	10390.4	100	451.1	146.7	6508.7	492.6	226.4	4231.3	66.2	9.4	276.1	1009.9	382.5	11016.1
1972	7155.3	63.6	3849.8	34.2	246.9	2.2	2.1	--	11254.1	100	480.5	177.6	7458.2	610.7	290.4	4170.1	63.0	30.6	279.3	1154.2	498.6	11907.6
1973	8145.5	68.0	3643.3	30.4	182.1	1.6	3.3	--	11974.2	100	465.3	288.2	8322.6	563.5	325.2	3881.6	61.3	30.8	212.6	1090.1	644.2	12416.8
1974	7221.8	67.8	3306.1	31.1	116.5	1.1	2.6	--	10647.0	100	371.3	390.7	7202.4	502.7	392.5	3416.3	53.3	23.0	146.8	927.3	806.2	10765.5
1975	7003.2	68.6	3068.7	30.1	132.0	1.3	1.0	--	10204.9	100	400.4	322.4	7081.2	501.3	353.7	3216.3	48.6	19.2	161.4	950.3	695.3	10458.9
1976	7511.9	68.0	3389.0	30.7	145.9	1.3	2.8	--	11049.6	100	479.5	352.2	7639.2	708.6	413.2	3684.4	66.7	13.9	198.7	1254.8	779.3	11522.3
1977	8237.2	71.4	3169.8	27.5	133.9	1.1	1.6	--	11542.5	100	530.7	367.6	8400.3	669.4	369.5	3469.7	85.9	11.5	208.3	1286.0	748.6	12078.3
1978	8494.7	72.8	3040.4	26.0	141.6	1.2	2.0	--	11678.7	100	642.6	441.7	8695.6	845.4	355.7	3530.1	92.2	11.6	222.2	1580.2	809.0	12447.9
1979	8696.9	73.1	3066.4	25.8	134.4	1.1	1.5	--	11899.2	100	525.0	596.6	8625.3	746.1	476.0	3334.5	80.6	14.0	201.0	1351.7	1088.6	12160.8
1980	8063.5	71.6	3064.4	27.2	137.8	1.2	*	--	11265.7	100	540.6	771.5	7832.6	810.9	523.1	3352.2	85.1	23.8	199.1	1436.6	1318.4	11383.9
1981	7862.0	73.1	2730.8	25.5	152.7	1.4	2.0	--	10747.5	100	639.1	637.7	7863.4	961.9	367.3	3325.4	93.1	11.8	234.0	1694.1	1016.8	11422.8
1982	6775.1	72.1	2478.9	26.5	129.5	1.4	2.0	--	9385.5	100	697.9	438.5	7034.5	897.2	253.4	3122.7	100.1	10.8	218.8	1695.2	702.7	10376.0
1983	8153.9	71.9	2795.7	26.6	162.5	1.5	2.0	--	11114.1	100	888.9	460.7	8582.1	1121.3	219.6	3697.4	131.1	18.9	274.7	2141.3	699.2	12554.2

a. Data include textile glass fiber as shown in Column 23 in the upper section. For detail on producers' shipments and imports of glass fiber, see page 37 of this issue.

b. Poundages include textile applications only for glass fiber used as yarn for weaving, tire cord and selected reinforced plastics. Other types of glass fiber (such as roving and mat applications) are included with the textile applications in the "non-add" column to the right.

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( )

All Census import and export commodity numbers are as of January 1978.

1, 4, 7, 12, 15, 18 & 23 - This issue, page 21.
2 Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230, .0510 & .0610.
5 - Import Classes 309.3010, .3110, .4320 & .4325.
8 - Import Classes 309.6615 & .7510.
9 - Export Class 309.7400.
13 - Import Classes 309.0200, .0330-.0365, .0500, .0630-.0665, .2100, .2500, 310.0109-.0114, .0149-.0170, .0209-.0214, .0249-.0270, .0530, .0550, .0630 & .0650.
16 - Import Classes 309.3030-.3065, .3130-.3165 & .4338-.4355.
19 - Import Classes 309.6000, .6625-.7000 & .7525-.7555.
20 - Export Classes 309.7620, .7630, .7640 & .7660.
25 - *U.S. Census Bureau Report M22P.*
26 - *U.S. Census Bureau Report M22D.*
27 - Import Classes 308.0200-.2000.
29, 30, 32, 33, 35 & 36 - *Cotton and Wool Outlook & Situation* (U.S. Department of Agriculture).

CERTAIN TOTALS IN THE TABLES

(Obvious totals such as Columns 1+2=3, 4+5=6, etc., are not described here.)

10 - Columns 7+8-9
21 - Columns 18+19-20
24 - Columns 11+22+23
31 - Columns 24+29-30
34 - Columns 25+32-33
37 - Columns 26+35-36

RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
	1970-1974	1975-1979	1979	1980	1981	1982	1983	1970-1974	1975-1979	1979	1980	1981	1982	1983	1970-1974	1975-1979	1979	1980	1981	1982	1983
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	25.4	34.1	37.5	30.2	34.9	38.2	58.0	27.1	18.9	12.4	19.4	24.1	28.5	42.1	8.2	5.4	4.2	4.2	5.0	7.7	7.6
CLOTH[b]	102.5	87.7	81.6	81.4	106.2	105.7	138.0	281.1	266.6	236.7	258.4	350.3	266.5	346.3	13.2	17.4	21.7	21.1	27.8	25.6	28.1
SUBTOTAL	**127.9**	**121.8**	**119.1**	**111.6**	**141.1**	**143.9**	**196.0**	**308.2**	**285.5**	**249.1**	**277.8**	**374.4**	**295.0**	**388.4**	**21.4**	**22.8**	**25.9**	**25.3**	**32.8**	**33.3**	**35.7**
MANUFACTURED PRODUCTS																					
WEARING APPAREL[c]	253.4	357.1	359.8	378.6	437.1	486.5	576.0	158.7	344.2	426.3	463.8	504.0	510.5	622.8	30.4	36.8	39.2	41.7	40.9	46.4	58.8
INDUSTRIAL[d]	7.6	0.7	0.1	0.1	0.3	1.1	1.3	8.3	5.7	5.6	10.1	8.8	10.0	14.3	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS[e]	30.6	36.0	46.0	50.3	60.6	66.5	115.6	36.9	40.7	44.4	45.4	59.5	67.0	78.0	11.7	14.1	14.4	17.3	18.5	19.6	34.8
ALL OTHER[f]								14.4	18.0	20.7	13.8	15.2	14.7	17.8	2.4	1.1	1.1	0.8	0.9	0.8	2.6
SUBTOTAL	**291.6**	**393.8**	**405.9**	**429.0**	**498.0**	**554.1**	**692.9**	**218.3**	**408.6**	**497.0**	**533.1**	**587.5**	**602.2**	**732.9**	**44.5**	**52.0**	**54.7**	**59.8**	**63.3**	**66.8**	**96.2**
TOTAL IMPORTS	**419.5**	**515.6**	**525.0**	**540.6**	**639.1**	**698.0**	**888.9**	**526.5**	**694.1**	**746.1**	**810.9**	**961.9**	**897.2**	**1121.3**	**65.9**	**74.8**	**80.6**	**85.1**	**93.1**	**100.1**	**131.9**
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	23.3	39.5	55.8	53.3	62.2	40.2	35.3	20.7	23.7	34.2	47.0	38.1	30.1	31.2	14.0	5.5	4.2	4.8	3.6	4.9	4.0
CLOTH[g]	113.0	186.0	257.6	298.5	256.4	174.8	148.6	170.0	224.9	267.1	212.3	127.7	84.8	59.4	0.7	1.2	1.5	1.6	1.9	1.4	1.1
SUBTOTAL	**136.3**	**225.5**	**313.4**	**351.8**	**318.6**	**215.0**	**183.9**	**190.7**	**248.6**	**301.3**	**259.3**	**165.8**	**114.9**	**90.6**	**14.7**	**6.7**	**5.7**	**6.4**	**5.5**	**6.3**	**5.1**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	21.5	43.1	60.5	127.1	120.7	75.2	70.8	32.9	63.0	90.9	180.8	123.0	80.0	72.1	1.8	3.6	5.9	14.9	4.0	2.9	3.0
INDUSTRIAL[d]	11.2	46.0	87.0	115.5	48.1	27.8	23.2	17.8	23.4	25.2	19.6	17.5	14.3	11.6	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS[h]	24.3	52.5	65.6	111.4	84.2	65.9	10.7	23.5	36.9	42.2	43.0	38.7	28.3	31.6	1.7	1.9	0.3	0.4	0.3	0.2	9.3
ALL OTHER[i]	36.8	49.0	70.1	65.7	66.1	54.6	172.1	21.8	22.1	18.4	20.4	22.3	15.9	13.7	1.5	1.9	2.1	2.1	2.0	1.4	1.5
SUBTOTAL	**93.8**	**190.6**	**283.2**	**419.7**	**319.1**	**223.5**	**275.8**	**96.0**	**145.4**	**176.7**	**263.8**	**201.5**	**138.5**	**129.0**	**5.0**	**7.4**	**8.3**	**17.4**	**6.3**	**4.5**	**13.8**
TOTAL EXPORTS	**230.1**	**416.1**	**596.6**	**771.5**	**637.7**	**438.5**	**460.7**	**286.7**	**394.0**	**478.0**	**523.1**	**367.3**	**253.4**	**219.6**	**19.7**	**14.1**	**14.0**	**23.8**	**11.8**	**10.8**	**18.9**
NET EXPORTS (+) OR NET IMPORTS (-)	**-189.4**	**-99.5**	**+71.6**	**+230.9**	**-1.4**	**-259.5**	**-428.2**	**-239.8**	**-300.1**	**-268.1**	**-287.8**	**-594.6**	**-643.8**	**-901.7**	**-46.2**	**-60.7**	**-66.6**	**-61.3**	**-81.3**	**-89.3**	**-113.0**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation.*

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1983 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2 & 87.0.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 38 of this issue.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

U.S. IMPORTS, EXPORTS & BALANCE OF
MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	3RD Q 1982			4TH Q 1982			1ST Q 1983			2ND Q 1983			3RD Q 1983			4TH Q 1983		
	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	1.6	6.0	4.4 **E**	1.3	4.2	2.9 **E**	2.0	5.1	3.1 **E**	2.0	3.4	1.4 **E**	2.6	3.8	1.2 **E**	2.1	3.4	1.3 **E**
STAPLE+TOW[b]	4.1	17.4	13.3 **E**	2.8	19.9	17.1 **E**	2.3	8.6	6.3 **E**	4.1	18.7	14.6 **E**	3.5	9.2	5.7 **E**	3.8	6.7	2.9 **E**
WASTE	0.1	0.4	0.3 **E**	0	0.5	0.5 **E**	+	0.4	0.4 **E**	0.1	0.2	0.1 **E**	+	0.2	0.2 **E**	0.1	0.6	0.5 **E**
SUBTOTAL ABOVE	**5.8**	**23.8**	**18.0 E**	**4.1**	**24.6**	**20.5 E**	**4.3**	**14.1**	**9.8 E**	**6.2**	**22.3**	**16.1 E**	**6.1**	**13.2**	**7.1 E**	**6.0**	**10.7**	**4.7 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	6.9	62.4	55.5 **E**	7.8	59.8	52.0 **E**	9.1	64.4	55.3 **E**	11.2	61.3	50.1 **E**	11.3	50.6	39.3 **E**	16.8	50.4	33.6 **E**
STAPLE+TOW	15.4	87.0	71.6 **E**	15.4	89.8	74.4 **E**	18.8	88.6	69.8 **E**	24.2	88.8	64.6 **E**	21.6	60.4	38.8 **E**	36.8	73.9	37.1 **E**
WASTE	9.3	13.7	4.4 **E**	7.8	20.0	12.2 **E**	9.0	18.0	9.0 **E**	10.8	16.3	5.5 **E**	12.3	16.7	4.4 **E**	13.7	20.3	6.6 **E**
SUBTOTAL ABOVE	**31.6**	**163.1**	**131.5 E**	**31.0**	**169.6**	**138.6 E**	**36.9**	**171.0**	**134.1 E**	**46.2**	**166.4**	**120.2 E**	**45.2**	**127.7**	**82.5 E**	**67.3**	**144.6**	**77.3 E**
TOTAL FIBER ABOVE[c]	**37.4**	**186.9**	**149.5 E**	**35.1**	**194.2**	**159.1 E**	**41.2**	**185.1**	**143.9 E**	**52.4**	**188.7**	**136.3 E**	**51.3**	**140.9**	**89.6 E**	**73.3**	**155.3**	**82.0 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	1.0	1.9	0.9 **E**	0.4	1.1	0.7 **E**	1.4	1.1	0.3 **I**	1.5	1.0	0.5 **I**	1.2	1.1	0.1 **I**	0.8	1.3	0.5 **E**
SPUN YARNS	9.0	6.5	2.5 **I**	9.4	5.9	3.5 **I**	7.8	2	0.6 **I**	10.2	7.6	2.6 **I**	12.9	5.5	7.4 **I**	10.9	5.5	5.4 **I**
THREAD & CRAFT YARNS	0.4	1.0	0.6 **E**	0.7	1.3	0.6 **E**	0.8	1.3	0.5 **E**	0.8	1.4	0.6 **E**	0.7	1.1	0.4 **E**	1.1	1.3	0.2 **E**
TIRE CORD & FABRIC	0.3	6.2	5.9 **E**	0.7	5.3	4.6 **E**	0.6	4.4	3.8 **E**	0.5	5.2	4.7 **E**	+	6.8	6.8 **E**	0.1	6.8	6.7 **E**
WOVEN FABRIC	26.1	31.3	5.2 **E**	21.4	33.9	12.5 **E**	25.1	28.3	3.2 **E**	34.9	29.0	5.9 **I**	33.6	25.5	8.1 **I**	29.6	25.8	3.8 **I**
KNIT FABRIC	0.6	4.2	3.6 **E**	0.5	4.3	3.8 **E**	0.5	3.5	3.0 **E**	0.5	3.5	3.0 **E**	0.5	3.7	3.2 **E**	0.7	3.5	2.8 **E**
NARROW FABRICS	2.5	6.7	4.2 **E**	2.0	6.1	4.1 **E**	3.7	5.1	1.4 **E**	3.2	6.4	3.2 **E**	3.0	7.6	4.6 **E**	2.9	6.5	3.6 **E**
APPAREL - KNIT	65.8	17.9	135.0 **I**	47.4	14.5	97.5 **I**	48.0	17.6	105.2 **I**	64.5	17.0	126.1 **I**	77.3	17.6	157.6 **I**	51.5	18.7	114.5 **I**
- NOT KNIT	87.1			64.6			74.8			78.6			97.9			81.7		
HOME FURNISHINGS[e]	19.0	14.1	8.2 **E**	16.0	14.7	12.0 **E**	23.2	15.7	7.3 **E**	28.7	36.5	22.3 **E**	30.1	27.3	11.7 **E**	39.2	25.5	0
OTHER		13.1			13.3			14.8			14.5			14.5			13.7	
TOTAL MANUFACTURES	**211.8**	**102.9**	**108.9 I**	**163.1**	**100.4**	**62.7 I**	**185.9**	**99.0**	**86.9 I**	**223.4**	**122.1**	**101.3 I**	**257.2**	**110.7**	**146.5 I**	**218.5**	**108.6**	**109.9 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**249.2**	**289.8**	**40.6 E**	**198.2**	**294.6**	**96.4 E**	**227.1**	**284.1**	**57.0 E**	**275.8**	**310.8**	**35.0 E**	**308.5**	**251.6**	**56.9 I**	**291.8**	**263.9**	**27.9 I**
COTTON MANUFACTURES[f]	**250.0**	**59.1**	**190.9 I**	**214.4**	**55.6**	**158.8 I**	**273.8**	**56.0**	**217.8 I**	**265.2**	**55.6**	**209.6 I**	**305.2**	**51.9**	**253.3 I**	**282.4**	**55.4**	**227.0 I**
WOOL MANUFACTURES[g]	**37.0**	**2.9**	**34.1 I**	**23.9**	**2.5**	**21.4 I**	**25.0**	**10.8**	**14.2 I**	**35.5**	**13.5**	**22.0 I**	**49.8**	**5.8**	**44.0 I**	**35.7**	**6.1**	**29.6 I**

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Outlook & Situation*, a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance
I is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man-Made Fiber Above" on pages 29 and 30 of the February 1984 issue.

d. Man-made fiber equivalent.

e. These import data do not reflect significant poundages of luggage. For May-December 1982 this poundage totaled 109.1 million pounds. For 1983, on a quarterly basis, the total was 40.0, 41.2, 47.3 and 52.1 million pounds.

f. Raw cotton equivalent. Data are similar to those on page 39 of this issue.

g. Raw wool content. The data differ from those on page 39 of this issue to the extent that noils and waste are included here.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBERS, COTTON & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	1978			1979			1980			1981			1982			1983		
	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]
MAN-MADE FIBER MANUFACTURES																		
SLIVER, TOPS & ROVING	7.6	10.2	2.6 **E**	6.7	13.2	6.5 **E**	2.8	13.1	10.3 **E**	3.7	11.0	7.3 **E**	2.7	6.7	4.0 **E**	4.9	4.5	0.4 **I**
SPUN YARNS[b]	49.6	21.8	27.8 **I**	28.3	34.2	5.9 **E**	25.1	32.8	7.7 **E**	28.3	45.7	17.4 **E**	33.1	28.2	4.9 **I**	49.7	25.7	24.0 **I**
THREAD & CRAFT YARNS	2.5	5.8	3.3 **E**	2.6	8.4	5.8 **E**	2.3	7.4	5.1 **E**	2.9	5.5	2.6 **E**	2.3	5.3	3.0 **E**	3.4	5.1	1.7 **E**
TIRE CORD & FABRIC	0.1	63.9	63.8 **E**	0.1	87.0	86.9 **E**	0.1	115.5	115.4 **E**	0.3	48.1	47.8 **E**	1.1	27.8	26.7 **E**	1.3	23.2	21.9 **E**
WOVEN FABRIC	87.8	165.7	77.9 **E**	64.6	228.7	164.1 **E**	67.3	249.8	182.5 **E**	95.4	208.5	113.1 **E**	93.3	132.6	39.3 **E**	123.2	108.7	14.5 **I**
KNIT FABRIC	12.4	9.8	2.6 **I**	8.0	16.4	8.4 **E**	6.0	23.2	17.2 **E**	2.1	21.7	19.6 **E**	2.3	15.6	13.3 **E**	2.2	14.2	12.0 **E**
NARROW FABRIC	9.4	12.0	2.6 **E**	8.9	12.5	3.6 **E**	8.1	25.5	17.4 **E**	8.7	26.2	17.5 **E**	10.1	26.6	16.5 **E**	12.7	25.7	13.0 **E**
APPAREL - KNIT	242.4	48.6	377.0 **I**	184.5	60.5	299.3 **I**	187.7	127.1	251.5 **I**	184.7	120.7	316.4 **I**	193.1	75.2	410.1 **I**	241.3	70.8	503.6 **I**
- NOT KNIT	183.2			175.3			190.9			252.4			292.2			333.1		
HOME FURNISHINGS	47.6	43.8	56.3 **E**	46.0	65.6	89.7 **E**	50.3	111.4	126.8 **E**	60.6	84.2	89.7 **E**	67.7	65.9	52.8 **E**	117.1	10.7	65.7 **E**
OTHER		60.1			70.1			65.7			66.1			54.6			172.1	
TOTAL MAN-MADE FIBER MANUFACTURES	**642.6**	**441.7**	**200.9 I**	**525.0**	**596.6**	**71.6 E**	**540.6**	**771.5**	**230.9 E**	**639.1**	**637.7**	**1.4 I**	**697.9**	**438.5**	**259.4 I**	**888.9**	**460.7**	**428.2 I**
COTTON MANUFACTURES																		
SPUN YARNS[c]	30.4	22.1	8.3 **I**	11.9	29.8	17.9 **E**	18.6	32.3	13.7 **E**	23.1	22.9	0.2 **I**	27.3	18.8	8.5 **I**	40.9	19.6	21.3 **I**
THREAD & CRAFT YARNS	0.4	9.9	9.5 **E**	0.5	4.4	3.9 **E**	0.8	14.7	13.9 **E**	1.0	15.2	14.2 **E**	1.2	11.3	10.1 **E**	1.2	11.6	10.4 **E**
WOVEN FABRIC[d]	299.9	187.8	112.1 **I**	236.7	267.1	30.4 **E**	258.4	212.3	46.1 **I**	350.3	127.7	222.6 **I**	266.5	84.8	181.7 **I**	346.3	59.4	286.9 **I**
APPAREL - KNIT	430.2	21.3	368.4 **I**	426.3	33.3	335.4 **I**	463.8	65.2	283.0 **I**	504.0	60.4	381.0 **I**	510.5	34.7	430.5 **I**	622.8	28.0	550.7 **I**
- NOT KNIT		40.5			57.6			115.6			62.6			45.3			44.1	
HOME FURNISHINGS	57.7	32.2	25.5 **I**	44.4	42.2	2.2 **I**	45.4	43.0	2.4 **I**	59.5	38.7	20.8 **I**	67.0	28.3	38.7 **I**	78.0	31.6	46.4 **I**
OTHER	26.8	41.9	15.1 **E**	26.3	43.6	17.3 **E**	23.9	40.0	16.1 **E**	24.0	39.8	15.8 **E**	24.7	30.2	5.5 **E**	32.1	25.3	6.8 **I**
TOTAL COTTON MANUFACTURES	**845.4**	**355.7**	**489.7 I**	**746.1**	**478.0**	**268.1 I**	**810.9**	**523.1**	**287.8 I**	**961.9**	**367.3**	**594.6 I**	**897.2**	**253.4**	**643.8 I**	**1121.3**	**219.6**	**901.7 I**
WOOL MANUFACTURES																		
SLIVER, TOPS & ROVING	0.6	1.3	0.7 **E**	0.4	3.2	2.8 **E**	0.3	4.2	3.9 **E**	0.3	2.6	2.3 **E**	0.5	4.3	3.8 **E**	0.8	3.8	3.0 **E**
SPUN YARNS	5.5	1.3	4.2 **I**	3.8	1.0	2.8 **I**	3.9	0.6	3.3 **I**	4.7	1.0	3.7 **I**	7.2	0.6	6.6 **I**	7.6	0.2	7.4 **I**
WOVEN FABRIC	25.8	1.0	24.8 **I**	21.7	1.2	20.5 **I**	21.1	1.4	19.7 **I**	27.8	1.7	26.1 **I**	25.6	1.3	24.3 **I**	28.1	1.1	27.0 **I**
KNIT FABRIC	0	0.2	0.2 **E**	0	0.3	0.3 **E**	0	0.2	0.2 **E**	0	0.2	0.2 **E**	0	0.1	0.1 **E**	0	0.2	0.2 **E**
APPAREL - KNIT	22.3	4.3	18.0 **I**	19.1	4.6	14.5 **I**	24.4	13.0	11.4 **I**	22.8	2.0	20.8 **I**	25.7	1.8	23.9 **I**	30.3	2.1	28.2 **I**
- NOT KNIT	22.6	1.2	21.4 **I**	20.1	1.3	18.8 **I**	17.3	1.9	15.4 **I**	18.1	2.0	16.1 **I**	20.7	1.1	19.6 **I**	28.5	0.9	27.6 **I**
HOME FURNISHINGS	14.5	0.8	13.7 **I**	14.4	0.3	14.1 **I**	17.3	0.4	16.9 **I**	18.5	0.3	18.2 **I**	19.6	0.2	19.4 **I**	34.8	9.3	25.5 **I**
OTHER	0.9	1.5	0.6 **E**	1.1	2.1	1.0 **E**	0.8	2.1	1.3 **E**	0.9	2.0	1.1 **E**	0.8	1.4	0.6 **E**	1.0	1.3	0.3 **E**
TOTAL WOOL MANUFACTURES	**92.2**	**11.6**	**80.6 I**	**80.6**	**14.0**	**66.6 I**	**85.1**	**23.8**	**61.3 I**	**93.1**	**11.8**	**81.3 I**	**100.1**	**10.8**	**89.3 I**	**131.1**	**18.9**	**112.2 I**
TOTAL MANUFACTURES	**1580.2**	**809.0**	**771.2 I**	**1351.7**	**1088.6**	**263.1 I**	**1436.6**	**1318.4**	**118.2 I**	**1694.1**	**1016.8**	**677.3 I**	**1695.2**	**702.7**	**992.5 I**	**2141.3**	**699.2**	**1442.1 I**

SOURCE: *Cotton and Wool Outlook & Situation,* a publication of the U.S. Department of Agriculture.

a. **E** means a net export balance
I is a net import balance.

b. Includes thrown or plied yarn imports.

c. Includes twine & cordage exports.

d. Includes tire cord exports.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBERS

MILLION POUNDS

PRODUCTS	1978			1979			1980			1981			1982			1983		
	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	25.7	20.7	5.0 I	13.3	30.8	17.5 E	8.3	26.9	18.6 E	10.7	24.7	14.0 E	7.0	22.1	15.1 E	8.7	15.8	7.1 E
STAPLE+TOW[b]	41.1	86.9	45.8 E	16.5	106.5	90.0 E	10.3	71.1	60.8 E	16.8	62.1	45.3 E	13.4	67.0	53.6 E	13.6	43.2	29.6 E
WASTE	0.4	7.0	6.6 E	0.8	9.6	8.8 E	0.3	6.1	5.8 E	0.5	2.8	2.3 E	0.4	3.2	2.8 E	0.3	1.4	1.1 E
SUBTOTAL ABOVE	**67.2**	**114.6**	**47.4 E**	**30.6**	**146.9**	**116.3 E**	**18.9**	**104.1**	**85.2 E**	**28.0**	**89.6**	**61.6 E**	**20.8**	**92.3**	**71.5 E**	**22.6**	**60.4**	**37.8 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	52.2	174.4	122.2 E	20.0	290.8	270.8 E	19.6	355.3	335.7 E	18.9	463.4	444.5 E	23.8	346.4	322.6 E	48.4	226.7	178.3 E
STAPLE+TOW	60.5	428.9	368.4 E	39.4	658.3	618.9 E	35.5	732.5	697.0 E	60.4	790.7	730.3 E	51.1	411.0	359.9 E	101.5	311.8	210.3 E
WASTE	26.0	88.7	62.7 E	21.1	137.7	116.6 E	21.7	116.4	94.7 E	50.0	107.3	57.3 E	37.8	86.1	48.3 E	46.1	71.3	25.2 E
SUBTOTAL ABOVE	**138.7**	**692.0**	**553.3 E**	**80.5**	**1086.8**	**1006.3 E**	**76.8**	**1204.2**	**1127.4 E**	**129.3**	**1361.4**	**1232.1 E**	**112.7**	**843.5**	**730.8 E**	**196.0**	**609.8**	**413.8 E**
TOTAL MAN-MADE FIBER ABOVE	**205.9**	**806.6**	**600.7 E**	**111.1**	**1233.7**	**1122.6 E**	**95.7**	**1308.3**	**1212.6 E**	**157.3**	**1451.0**	**1293.7 E**	**133.5**	**935.8**	**802.3 E**	**218.6**	**670.2**	**451.6 E**
TEXTILE GLASS FIBER	21.8	29.2	7.4 E	10.3	47.5	37.2 E	7.3	54.4	47.1 E	18.2	38.9	20.7 E	14.1	43.7	29.6 E	20.0	39.4	19.4 E
GRAND TOTAL ABOVE	**227.7**	**835.8**	**608.1 E**	**121.4**	**1281.2**	**1159.8 E**	**103.0**	**1362.7**	**1259.7 E**	**175.5**	**1489.9**	**1314.4 E**	**147.6**	**979.5**	**831.9 E**	**238.6**	**709.6**	**471.0 E**

SOURCES: The fiber import and export data are from the the U.S. Bureau of the Census.

a. **E** means a net export balance; I is a net import balance.

b. Acetate tow is excluded.

RAW COTTON CONSUMPTION

THOUSAND BALES

MONTH	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
JANUARY	687	655	431	627	509	493	603	604	435	378	404
FEBRUARY	597	592	395	559	528	501	472	506	446	398	430
MARCH	661	644	438	655	654	620	506	513	539	492	549
APRIL	632	610	462	596	507	484	584	622	433	409	431
MAY	637	633	501	579	507	484	484	496	441	392	441
JUNE	604	546	494	610	616	575	489	478	531	460	543
JULY	504	535	485	489	395	383	503	487	385	317	369
AUGUST	636	562	531	550	494	459	472	442	429	386	453
SEPTEMBER	543	489	548	556	606	569	482	456	517	474	560
OCTOBER	649	529	629	554	835	482	630	597	448	416	459
NOVEMBER	620	432	604	527	504	595	482	458	403	390	446
DECEMBER	509	390	624	531	562	435	436	475	400	425	468
TOTAL	**7279**	**6617**	**6142**	**6833**	**6717**	**6080**	**6143**	**6134**	**5407**	**4937**	**5553**

RAW SILK DELIVERIES

BALES

MONTH	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
JANUARY	556	124	190	925	352	321	501	312	471	450	280
FEBRUARY	355	305	188	469	239	394	302	644	380	489	506
MARCH	450	233	410	689	242	424	687	422	471	662	390
APRIL	499	277	393	362	212	382	353	507	446	398	462
MAY	393	175	394	251	254	397	471	366	322	234	717
JUNE	119	288	219	579	259	299	418	285	529	369	377
JULY	577	269	380	337	322	316	407	257	300	495	264
AUGUST	214	139	219	358	311	341	756	332	259	403	474
SEPTEMBER	71	97	505	422	370	401	492	342	348	364	534
OCTOBER	93	302	585	268	424	280	490	365	414	226	529
NOVEMBER	105	151	225	222	322	468	368	265	487	514	587
DECEMBER	246	96	641	159	433	214	518	323	611	317	324
TOTAL	**3678**	**2456**	**4349**	**5041**	**3740**	**4237**	**5763**	**4420**	**5038**	**4921**	**5444**

FILAMENT YARN DOMESTIC SHIPMENTS BY DENIER
MILLION POUNDS

ACETATE

DENIER	1977	1978	1979	1980	1981	1982	1983
55 (62 & FINER)	62.5	67.1	68.0	66.1	45.3	37.3	36.2
75 (63-87)	66.1	72.3	63.8	67.5	62.3	39.1	45.6
100 (88-112)	15.0	20.2	26.5	31.4	26.6	19.3	19.9
150 (113-162)	89.5	91.3	108.9	87.6	77.5	62.5	83.9
200 (163-237)	2.3	2.4	3.4	2.6	1.5	0.7	0.7
300 (238-374)	10.4	9.6	9.7	7.3	7.3	6.4	8.0
450 (375 & COARSER)	13.6	11.7	8.1	6.7	5.8	3.7	3.3
TOTAL DOMESTIC SHIPMENTS	**259.4**	**274.6**	**288.4**	**269.2**	**226.3**	**169.0**	**197.6**
Average Denier[a]	*91*	*90*	*92*	*88*	*91*	*92*	*96*

NYLON TEXTILE

DENIER	1977	1978	1979	1980	1981	1982	1983
MONOFILS & FEWOFILS[b]	23.3	27.9	31.7	29.1	23.5	25.4	27.5
FILAMENT YARN							
34 & FINER	42.6	41.0	38.0	35.9	39.8	30.3	36.8
40 (35-59)	132.5	164.1	177.5	155.4	142.8	117.8	152.7
70 (60-89)	124.2	122.0	112.4	109.0	85.7	63.9	75.5
100 (90-109)	38.7	43.6	43.7	42.7	43.4	37.4	29.4
140 (110-179)	18.5	20.2	21.2	21.1	26.2	18.5	16.1
200 (180-204)	11.4	19.7	18.6	18.2	19.7	16.1	18.0
205 & COARSER[c]	41.4	44.3	18.1	15.2	17.5	12.2	13.8
TOTAL DOMESTIC SHIPMENTS	**432.6**	**482.8**	**461.2**	**426.6**	**398.6**	**321.6**	**369.8**
Average Denier[a]	*49*	*48*	*45*	*46*	*47*	*38*	*43*

POLYESTER TEXTILE

DENIER	1977	1978	1979	1980	1981	1982	1983
55 & FINER	22.2	25.9	30.1	37.3	48.6	28.6	36.6
70 (56-89)	136.8	212.5	215.0	191.3	147.9	141.0	162.1
100 (90-109)	61.0	58.1	63.4	32.6	41.4	56.4	51.2
120 (110-129)	12.4	18.6	4.8	2.8	68.9	41.7	21.1
135 (130-144)	23.2	15.3	18.6	10.1			
150 (145-179)	869.1	783.7	765.2	738.6	745.1	519.3	641.1
180 & COARSER[c]	42.5	49.8	66.8	65.3	68.9	61.0	70.9
TOTAL DOMESTIC SHIPMENTS	**1167.2**	**1163.9**	**1163.9**	**1078.0**	**1120.8**	**848.0**	**983.0**
Average Denier[a]	*124*	*116*	*116*	*118*	*121*	*115*	*115*

NYLON CARPET

DENIER	1977	1978	1979	1980	1981	1982	1983
1199 & FINER	369.0	443.8	479.2	460.6	138.4	138.0	212.1
1200-1499					331.7	300.9	385.4
1800 (1500-1900)	114.8	126.6	131.2	149.4	88.9	65.3	83.9
2600 (1901-2700)	114.7	89.4	100.7	84.8	55.5	40.0	44.4
2701 & COARSER	19.3	18.0	21.4	19.7	19.1	15.3	8.8
TOTAL DOMESTIC SHIPMENTS	**617.8**	**677.8**	**732.5**	**714.5**	**633.6**	**559.5**	**734.6**
Average Denier[a]	*1557*	*1503*	*1506*	*1503*	*1448*	*1423*	*1398*

a. Average Denier calculated by harmonic mean method.

b. Monofilaments up to 40 denier. Fewofils are multifilament yarns with 4 or fewer filaments in the bundle.

c. Includes low denier industrial yarn through 1978.

PRODUCERS' WASTE SHIPMENTS
MILLION POUNDS

YEAR	RAYON	NONCELLULOSIC	YEAR	RAYON	NONCELLULOSIC
1961	32.8	32.3	**1973**	36.8	274.8
1962	34.5	37.7	**1974**	29.9	246.4
1963	40.2	42.0	**1975**	13.2	228.7
1964	49.0	45.9	**1976**	14.7	262.3
1965	51.5	55.2	**1977**	18.5	291.0
1966	44.6	66.5	**1978**	15.7	263.9
1967	36.1	92.8	**1979**	17.2	238.6
1968	44.3	122.3	**1980**	13.5	170.2
1969	39.4	140.3	**1981**	15.3	174.2
1970	34.5	136.3	**1982**	10.7	173.2
1971	36.3	157.8	**1983**	9.4	214.1
1972	38.5	202.7			

1983 IMPORT/EXPORT REVIEW

In 1983, U.S. imports of man-made fiber apparel rose by 13.4% to 2,380 million equivalent square yards. Accounting for over 90% of the total, imports from Africa, Asia and Oceania rose by 13.4%, an increase of over 57% since 1977.

Imports from Taiwan totaled 750 million equivalent square yards, an increase of nearly 14% over 1982 and more than 52% since 1977. Imports from the Republic of Korea rose 10% in 1983 to 575 million equivalent square yards.

1983 imports of man-made fiber apparel from the People's Republic of China totaled 213 million equivalent square yards, an increase of nearly 11% above 1982 and 4,160% above 1977. On a year-to year basis from 1977-1982, these imports rose 160% between 1977 and 1978, and nearly 185% between 1978 and 1979, 27% between 1979 and 1980, 102% between 1980 and 1981 and 102% between 1981 and 1982.

Between the years of 1982-1983, U.S. exports of noncellulosic yarn+monofilaments fell to 226.7 million pounds, a drop of nearly 120 million pounds. This decline represented a loss of $155.5 million since 1982.

In 1983, exports of noncellulosic staple+tow fell by over 99 million pounds to 311.8 million pounds. This decline was equivalent to a loss of $78.4 million since 1982.

The following feature (pages 44-51) provides 1983 imports and exports of man-made fibers, man-made fiber apparel and other man-made fiber manufactures. The entire import/export situation for man-made fiber is presented in terms of by-country and by-product data, as well as poundage and dollar values. Please note that the table opposite exhibits a percent change analysis to better depict particular import trends.

U.S. IMPORTS OF SELECTED MAN-MADE FIBER MANUFACTURES

ITEM	COMMODITY NUMBER AS OF 1/1/82	THOUSAND POUNDS					THOUSAND DOLLARS				
		1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
KNIT FABRIC IN THE PIECE											
RAYON & ACETATE	345.5011 - .5077 INCLUSIVE	311	176	318	448	225	1557	1106	1660	2311	1168
ACRYLIC		80	147	127	146	145	530	970	725	1122	638
NYLON		455	316	346	440	407	2469	1844	2208	3123	2317
POLYESTER		2315	1548	1066	849	1053	11029	7714	5171	4256	6903
OTHER MAN-MADE FIBER		548	409	242	354	314	3473	2264	1399	2089	1772
TOTAL KNIT FABRICS		**3709**	**2596**	**2099**	**2237**	**2144**	**19058**	**13898**	**11163**	**12901**	**12798**
BROAD WOVEN FABRICS											
MAN-MADE FIBER FABRICS CONTAINING MORE THAN 17% WOOL											
RAYON OR ACETATE	338.1000 - .1580	12	42	28	9	26	50	394	184	73	127
NYLON		151	140	88	168	120	1392	1401	785	1366	1052
POLYESTER		16190	16389	22170	19799	23446	63224	71725	91704	82658	92431
OTHER MAN-MADE FIBER		10386	12907	16554	10266	7785	32310	47892	54231	31407	21927
OTHER WOVEN FABRICS IN THE PIECE EXCEPT PILE FABRICS											
ACETATE		353	333	113	250	464	4115	4043	1517	1349	1809
RAYON - 100% FILAMENT YARN		2236	2397	1332	1060	1590	14228	15620	9102	6454	8005
- OTHER MAINLY 100% YARN		1905	2366				12074	15750			
RAYON &/OR ACETATE	338.2500 - .5069[a] INCLUSIVE			3753	2744	4623			31162	17287	26078
RAYON OR ACETATE & COTTON					273	352				1646	1632
ACRYLIC		616	608	297	295	191	3348	3644	1634	1806	1168
NYLON		2468	1233	501	990	2522	11920	7619	4450	5893	10212
POLYESTER		28475	30424	45870	41250	50238	200488	212348	318203	286794	317131
POLYESTER & RAYON					395	661				1140	1153
POLYESTER & COTTON					10689	16138				41396	48415
TEXTILE GLASS FIBER		2055	1909	1807	2251	4915	4045	4102	4610	4935	12065
OTHER MAN-MADE FIBER		1169	1386	5542	4249	6260	6212	7389	35423	27616	29655
OTHER MAN-MADE FIBER & COTTON					545	633				3710	3473
VELVETS	346.6010 - .6065	1405	1043	757	579	1244	5641	4851	3515	2273	3931
OTHER PILE FABRICS		1227	914	671	1031	1155	8940	7226	4335	5995	5826
TIRE FABRIC	357.8060	97	46	273	1069	1253	220	94	514	1520	1660
TOTAL BROAD WOVEN FABRICS		**68745**	**72137**	**99756**	**97912**	**123616**	**368207**	**404098**	**561369**	**525318**	**587750**

[a] As of 1978, the commodity numbers for Other Woven Fabrics in the Piece Except Pile Fabrics ran from 338.2500 to 338.3098. In both 1981 and 1982 those commodity numbers, with the exception of those for textile glass (338.2500 & .2700), were revised, leaving both 1981 and 1982 data not comparable with those for earlier years.

U.S. GENERAL IMPORTS OF MAN-MADE FIBER APPAREL

MILLIONS OF EQUIVALENT SQUARE YARDS & *Percent*

COUNTRY	1977	$\%^{b}$	1978	$\%^{a}$	$\%^{b}$	1979	$\%^{a}$	$\%^{b}$	1980	$\%^{a}$	$\%^{b}$	1981	$\%^{a}$	$\%^{b}$	1982	$\%^{a}$	$\%^{b}$	1983	$\%^{a}$	$\%^{b}$
CHINA, P.R.O.	5	*0.3*	13	*+160.0*	*0.7*	37	*+184.6*	*2.3*	47	*+27.0*	*2.6*	95	*+102.1*	*4.9*	192	*+102.1*	*9.1*	213	*+10.9*	*8.9*
HONG KONG	191	*11.9*	250	*+30.9*	*13.3*	210	*-16.0*	*12.7*	207	*-1.4*	*11.6*	228	*+10.1*	*11.8*	240	*+5.3*	*11.4*	275	*+14.6*	*11.5*
INDIA	1	*0.1*	3	*+200.0*	*0.2*	4	*+33.3*	*0.2*	3	*-25.0*	*0.2*	4	*+33.3*	*0.2*	4	--	*0.2*	8	*+100.0*	*0.3*
INDONESIA	1	*0.1*	1	--	*0.1*	2	*+50.0*	*0.1*	2	--	*0.1*	2	--	*0.1*	7	*+250.0*	*0.4*	14	*+100.0*	*0.6*
ISRAEL	11	*0.7*	15	*+36.4*	*0.8*	10	*-33.3*	*0.6*	9	*-10.0*	*0.5*	5	*-44.4*	*0.3*	4	*-20.0*	*0.2*	4	--	*0.2*
JAPAN	114	*7.1*	110	*-3.5*	*5.9*	52	*-52.7*	*3.1*	44	*-15.4*	*2.5*	35	*-20.5*	*1.8*	26	*-25.7*	*1.2*	35	*+34.6*	*1.5*
KOREA, REP. OF	399	*24.8*	418	*+4.8*	*22.4*	377	*-9.8*	*22.8*	449	*+19.1*	*25.0*	540	*+20.3*	*28.1*	522	*-3.3*	*24.9*	575	*+10.1*	*24.2*
MACAO	10	*0.6*	20	*+100.0*	*1.0*	25	*+25.0*	*1.5*	17	*-32.0*	*1.0*	22	*+29.4*	*1.1*	21	*-4.5*	*1.0*	25	*+19.0*	*1.1*
MALAYSIA	1	*0.1*	3	*+200.0*	*0.2*	3	--	*0.2*	3	--	*0.2*	5	*+66.7*	*0.3*	7	*+40.0*	*0.4*	8	*+14.3*	*0.3*
PHILIPPINES	98	*6.1*	116	*+18.4*	*6.2*	112	*-3.4*	*6.8*	103	*-8.0*	*5.8*	105	*+1.9*	*5.4*	108	*+2.9*	*5.1*	120	*+11.1*	*5.1*
SINGAPORE	28	*1.7*	56	*+100.0*	*3.0*	49	*-12.5*	*3.0*	39	*-20.4*	*2.2*	42	*+7.7*	*2.2*	48	*+14.3*	*2.3*	54	*+12.5*	*2.3*
SRI LANKA	+	--	3	*+100.0*	*0.2*	6	*+100.0*	*0.3*	7	*+16.7*	*0.4*	9	*+28.6*	*0.5*	20	*+122.2*	*0.9*	22	*+10.0*	*0.9*
TAIWAN	492	*30.5*	549	*+11.6*	*29.4*	480	*-12.6*	*29.0*	596	*+24.2*	*33.3*	586	*-1.7*	*30.5*	660	*+12.6*	*31.4*	750	*+13.6*	*31.5*
THAILAND	15	*0.9*	34	*+126.7*	*1.8*	29	*-14.7*	*1.8*	22	*-24.1*	*1.2*	25	*+13.6*	*1.3*	37	*+48.0*	*1.8*	46	*+24.3*	*1.9*
OTHER A., A. & O.	1	*0.1*	1	--	*0.1*	1	--	*0.1*	1	--	*0.1*	2	*+100.0*	*0.1*	2	--	*0.1*	4	*+100.0*	*0.2*
TOTAL A., A. & O.	**1367**	*85.0*	**1592**	*+16.5*	*85.3*	**1397**	*-12.2*	*84.5*	**1549**	*+10.9*	*86.7*	**1705**	*+10.1*	*88.6*	**1898**	*+11.3*	*90.4*	**2153**	*+13.4*	*90.5*
BARBADOS	5	*0.3*	6	*+20.0*	*0.3*	5	*-16.7*	*0.3*	6	*+20.0*	*0.3*	6	--	*0.3*	6	--	*0.3*	8	*+33.3*	*0.3*
BELIZE	8	*0.5*	4	*-50.0*	*0.2*	3	*-25.0*	*0.2*	5	*+66.7*	*0.3*	2	*-60.0*	*0.1*	2	--	*0.1*	2	--	*0.1*
CANADA	2	*0.1*	2	--	*0.1*	2	--	*0.1*	2	--	*0.1*	2	--	*0.1*	3	*+50.0*	*0.2*	3	--	*0.1*
COLOMBIA	6	*0.4*	7	*+16.7*	*0.4*	7	--	*0.4*	5	*-28.6*	*0.3*	5	--	*0.3*	5	--	*0.2*	5	--	*0.2*
COSTA RICA	10	*0.6*	12	*+20.0*	*0.6*	16	*+33.3*	*1.0*	17	*+6.3*	*1.0*	18	*+5.9*	*0.9*	19	*+5.5*	*0.9*	24	*+26.3*	*1.0*
DOMINICAN REPUBLIC	13	*0.8*	26	*+100.0*	*1.4*	32	*+23.1*	*1.9*	34	*+6.3*	*1.9*	33	*-2.9*	*1.7*	38	*+15.2*	*1.8*	43	*+13.1*	*1.8*
EL SALVADOR	11	*0.7*	12	*+9.1*	*0.6*	11	*-8.3*	*0.7*	3	*-72.7*	*0.2*	2	*-33.3*	*0.1*	1	*-50.0*	*0.1*	1	--	--
GUYANA	2	*0.1*	2	--	*0.1*	2	--	*0.1*	3	*+50.0*	*0.2*	3	--	*0.2*	3	--	*0.2*	3	--	*0.1*
HAITI	34	*2.1*	45	*+32.4*	*2.4*	47	*+4.4*	*2.8*	49	*+4.3*	*2.7*	39	*-20.4*	*2.0*	33	*-15.4*	*1.5*	40	*+21.2*	*1.7*
HONDURAS	2	*0.1*	2	--	*0.1*	3	*+50.0*	*0.2*	4	*+33.3*	*0.2*	5	*+25.0*	*0.2*	5	*--0.2*		4	*-20.0*	*0.2*
JAMAICA	3	*0.2*	2	*-33.3*	*0.1*	3	*+50.0*	*0.2*	4	*+33.3*	*0.2*	4	--	*0.2*	2	*-50.0*	*0.1*	3	*+50.0*	*0.1*
LEEWARD & WINDWARD IS.	+	--	+	--	--	3	*+100.0*	*0.2*	4	*+33.3*	*0.2*	7	*+75.0*	*0.4*	8	*+14.3*	*0.4*	10	*+25.0*	*0.4*
MEXICO	72	*4.5*	79	*+9.7*	*4.3*	69	*-12.7*	*4.2*	72	*+4.3*	*4.0*	64	*-11.1*	*3.3*	42	*-34.4*	*1.9*	40	*-4.8*	*1.7*
NICARAGUA	1	*0.1*	3	*+200.0*	*0.2*	1	*-66.7*	*0.1*	1	--	*0.1*	+	*-100.0*	--	+	--	--	+	--	--
OTHER AMERICAS	5	*0.3*	3	*-40.0*	*0.2*	2	*-33.3*	*0.1*	3	*+50.0*	*0.2*	2	*-33.3*	*0.2*	3	*+50.0*	*0.2*	4	*+33.3*	*0.2*
TOTAL AMERICAS	**174**	*10.8*	**205**	*+17.8*	*11.0*	**206**	*+0.5*	*12.5*	**212**	*+2.9*	*11.9*	**192**	*-9.4*	*10.0*	**170**	*-11.5*	*8.1*	**190**	*+11.8*	*8.0*
FRANCE	4	*0.3*	5	*+25.0*	*0.3*	4	*-20.0*	*0.2*	2	*-50.0*	*0.1*	2	--	*0.1*	2	--	*0.1*	4	*+100.0*	*0.2*
GERMANY, FED. REP. OF	2	*0.1*	1	*-50.0*	*0.1*	1	--	*0.1*	+	*-100.0*	--	+	--	--	1	*+100.0*	*0.1*	1	--	--
ITALY	26	*1.6*	26	--	*1.3*	15	*-42.3*	*0.9*	9	*-40.0*	*0.4*	7	*-22.2*	*0.3*	6	*-14.3*	*0.3*	7	*+16.7*	*0.3*
POLAND	14	*0.9*	14	--	*0.7*	9	*-35.7*	*0.5*	5	*-44.4*	*0.2*	4	*-20.0*	*0.2*	3	*-25.0*	*0.1*	3	--	*0.1*
PORTUGAL	1	*0.1*	1	--	*0.1*	1	--	*0.1*	1	--	*0.1*	1	--	*0.1*	1	--	*0.1*	1	--	--
ROMANIA	12	*0.7*	13	*+8.3*	*0.6*	10	*-23.1*	*0.6*	6	*-40.0*	*0.3*	10	*+66.7*	*0.4*	15	*+50.0*	*0.5*	14	*-6.7*	*0.6*
SPAIN	3	*0.2*	3	--	*0.2*	2	*-33.3*	*0.1*	1	*-50.0*	*0.1*	1	--	*0.1*	1	--	*0.1*	2	*+100.0*	*0.1*
UNITED KINGDOM	2	*0.1*	3	*+50.0*	*0.2*	3	--	*0.2*	1	*-33.3*	*0.1*	1	--	*0.1*	1	--	*0.1*	2	*+100.0*	*0.1*
YUGOSLAVIA	1	*0.1*	1	--	*0.1*	2	*+100.0*	*0.1*	+	*-100.0*	--	+	--	--	+	--	--	+	--	--
OTHER EUROPE	2	*0.1*	2	--	*0.1*	3	*+50.0*	*0.2*	1	*-66.7*	*0.1*	1	--	*0.1*	1	--	*0.1*	3	*+200.0*	*0.1*
TOTAL EUROPE	**67**	*4.2*	**69**	*+3.0*	*3.7*	**50**	*-27.5*	*3.0*	**26**	*-48.0*	*1.4*	**27**	*+3.8*	*1.4*	**31**	*+14.8*	*1.5*	**37**	*+19.3*	*1.5*
GRAND TOTAL	**1608**	*100.0*	**1866**	*+16.0*	*100.0*	**1653**	*-11.4*	*100.0*	**1787**	*+8.1*	*100.0*	**1924**	*+7.7*	*100.0*	**2099**	*+9.1*	*100.0*	**2380**	*+13.4*	*100.0*

+ Means nominal poundage.

-- Means nominal percentage.

a. Percent change from previous year.

b. Percent of total apparel imports.

SELECTED U.S. MAN-MADE FIBER IMPORTS BY COUNTRY OF ORIGIN[a]

THOUSAND POUNDS

COUNTRY	A. NONCELLULOSIC YARN - SINGLES						B. NONCELLULOSIC STAPLE+TOW								C. SPUN YARNS				D. WASTE				E. TEXTILE GLASS	
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		CELL.		NONCELL.		CELL.		NONCELL.			
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
ARGENTINA	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	329	264	0	0
BRAZIL	0	0	+	0	+	0	0	0	0	0	0	0	0	112	0	0	446	1653	0	0	125	76	0	0
CANADA	1009	560	303	189	3988	6870	354	2761	3378	4777	37	28	1681	1647	3	6	2182	0	0	59	7421	7926	104	153
COSTA RICA	0	0	185	16	0	0	0	0	0	1066	0	0	0	1	0	0	0	2531	0	0	40	128	0	0
MEXICO	739	4725	0	1251	101	193	50	3097	1353	3545	2077	4054	0	11	0	0	956	3048	0	0	10126	10758	8	0
OTHER AMERICAS	0	0	4	0	0	0	0	+[d]	0	0	0	+[f]	0	0	0	0	47	31[h]	0	0	0	73[k]	0	0
TOTAL AMERICAS	**1748**	**5285**	**492**	**1456**	**4089**	**7063**	**404**	**5892**	**4731**	**15388**	**2114**	**4082**	**1681**	**1771**	**3**	**6**	**3631**	**7263**	**0**	**59**	**18041**	**19225**	**112**	**153**
AUSTRIA	2	0	0	0	15	176	41	0	0	0	0	1	23	27	0	48	81	196	0	0	0	0	0	0
BELGIUM/LUX.	606	230	2	6	25	7	110	181	0	79	18	235	33	1	0	0	0	16	0	0	1002	1160	1	0
DENMARK	0	0	0	+	+	0	2	38	+	1	0	0	53	0	0	0	1	0	0	0	465	1025	0	0
FINLAND	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	110	110	0	0	0	31	0	0
FRANCE	1845	1765	9	8	14	39	7442	8701	3	2	18	41	9	239	+	0	872	1126	1	0	125	731	190	1282
GERMANY, FED. REP. OF	3754	1425	2473	4033	613	257	4687	9647	22	162	3435	5564	635	1378	53	391	584	1034	0	0	5944	6177	426	9
GREECE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRELAND	0	0	1	0	+	0	0	0	0	0	521	39	0	0	0	0	0	2	0	0	0	0	0	0
ITALY	267	2583	135	388	33	178	4710	6497	117	55	352	1795	307	1899	1	2	2151	3376	0	0	1292	808	18	60
NETHERLANDS	7	59	13	136	16	59	251	915	169	3	0	7	+	68	0	+	13	0	0	0	1741	3084	0	40
POLAND	15	0	0	0	0	0	15	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
PORTUGAL	0	0	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	165	0	0	0
ROMANIA	0	83	0	0	1	0	0	166	411	483	55	0	0	0	0	0	2039	2948	0	0	295	956	0	0
SPAIN	0	+	0	1297	0	163	0	0	0	31	0	2	+	25	0	0	583	967	0	0	30	0	0	0
SWITZERLAND	156	525	33	107	7	5	130	106	+	41	51	25	3	115	0	0	397	392	0	0	140	722	0	0
UNITED KINGDOM	54	2987	7	55	291	196	996	15028	32	152	1198	1018	553	876	0	0	242	425	220	215	612	1091	2540	2886
OTHER EUROPE	1	0	0	2[b]	15	16[c]	21	429[e]	12	0	0	0	8	12[g]	0	0	72	10[i]	0	0	+	316[l]	+	0
TOTAL EUROPE	**6707**	**9657**	**2673**	**6032**	**1030**	**1096**	**18406**	**41718**	**766**	**1010**	**5648**	**8727**	**1630**	**4640**	**54**	**441**	**7145**	**10602**	**221**	**215**	**11811**	**16101**	**3175**	**4277**
AUSTRALIA	0	0	0	0	0	5	29	92	0	0	0	0	+	0	0	0	0	0	0	0	2226	1487	0	0
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174	0	0	0	0	0
CHINA, PEOPLE'S REP. OF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	230	0	0	1660	1505	0	0
EGYPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HONG KONG	+	0	0	0	0	0	0	+	0	0	0	0	1	+	0	0	353	333	0	0	0	0	0	0
INDONESIA	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	370	962	0	0	16	0	0	0
ISRAEL	72	1257	0	13	0	0	60	147	0	0	0	0	0	0	0	0	2	0	0	0	863	554	0	0
JAPAN	1694	2554	2573	6289	849	2158	223	424	1416	5321	4478	7450	1155	853	263	644	4423	5446	0	0	861	1875	10813	15180
KOREA, REP. OF	0	720	0	78	0	60	0	0	31	433	+	15	2	0	0	0	532	531	0	0	201	2225	0	0
MALAYSIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1138	1600	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1395	2060	0	0	82	123	0	0
SINGAPORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1386	1422	0	0	0	0	0	0
SOUTH AFRICA	0	0	0	1835	0	0	0	77	0	696	0	11	0	0	0	0	481	18	0	0	1210	1005	0	74
TAIWAN	55	357	0	64	0	17	0	71	369	688	49	0	7893	3673	0	0	495	565	0	0	670	1989	0	0
THAILAND	0	35	0	0	0	0	0	0	0	0	0	0	0	0	5	+	597	410	0	0	0	0	0	0
OTHER A, A & O	0	0	36	0	11	0	0	0	0	0	0	0	0	0	0	0	0	45[j]	0	0	87	0	0	0
TOTAL A, A & O	**1821**	**4923**	**2609**	**8324**	**860**	**2240**	**312**	**811**	**1816**	**7138**	**4527**	**7476**	**9051**	**4526**	**268**	**644**	**11280**	**13622**	**174**	**0**	**7893**	**10763**	**10813**	**15254**
GRAND TOTAL	**10276**	**19865**	**5774**	**15812**	**5979**	**10399**	**19122**	**48421**	**7313**	**23536**	**12289**	**20285**	**12362**	**10937**	**325**	**1091**	**22056**	**31487**	**395**	**274**	**37745**	**46089**	**14100**	**19684**

SOURCE: U.S. Census Bureau IM146.

a. See February ***Organon,*** page 28, for other 1982 & 1983 U.S. man-made fiber imports by country of origin.

b. East Germany.

c. Iceland 16 and Turkey +.

d. Haiti.

e. Norway 265, Sweden +, Turkey 129 and Yugoslavia 35.

f. Peru.

g. Sweden.

h. Columbia + and Guatemala 31.

i. Sweden 9 and Turkey 1.

j. Macao 45.

k. Venezuela.

l. Sweden 229, USSR 42 and Yugoslavia 45.

A. Nylon 310.0109, .0149, .0209 & 0249; Polyester 310.0110, .0150, .0210 & .0250; Other 310.0114, .0170, .0214, .0270, .0530, .0550, .0630 & .0650.

B. Nylon 309.3030, .3130 & .4338; Polyester 309.3040, .3140 & .4342; Acrylic 309.3050, .3150 & .4345; Other 309.3065, .3165, .4346 & .4355.

C. Cellulosic 310.4005, .4030, .5005 & .5030; Noncellulosic 310.4015, .4027, .4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

D. Cellulosic 309.6615 & .7510; Noncellulosic 309.6000, .6625, .6630, .6645, .6660, .7000, .7525, .7530, .7540 & .7555.

E. 309.2800, .2900, .9800 & .9900.

SELECTED U.S. MAN-MADE FIBER & MANUFACTURES IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

IMPORTS OF MAN-MADE BROAD WOVEN FABRICS

COUNTRY	1979	1980	1981	1982	1983
AUSTRIA	178	153	190	112	192
BELGIUM	813	550	558	605	1127
FRANCE	3067	2565	1631	2202	2287
GERMANY, FED. REP. OF	1465	1309	2264	1518	1960
HUNGARY	233	124	28	19	23
IRELAND	14	129	2591	253	211
ITALY	25615	27379	36656	27524	29127
NETHERLANDS	170	127	103	115	90
POLAND	410	120	235	256	85
PORTUGAL	496	137	46	18	13
ROMANIA	241	47	25	45	59
SPAIN	437	156	385	293	250
SWEDEN	379	368	376	159	121
SWITZERLAND	899	962	650	477	479
UNITED KINGDOM	1168	587	321	438	379
YUGOSLAVIA	379	363	408	343	390
OTHER EUROPE	79	92	41	19	17
TOTAL EUROPE ABOVE	**36043**	**35168**	**46508**	**34396**	**36810**
CHINA, P.R.O.	46	238	1309	2408	3184
HONG KONG	928	140	102	106	1303
INDIA	269	312	117	70	38
JAPAN	23796	23070	32588	34626	42396
KOREA, REPUBLIC OF	3625	9160	11591	17184	23486
MALAYSIA	165	425	541	350	799
SINGAPORE	518	69	348	110	19
TAIWAN	392	783	1641	3135	9370
THAILAND	390	72	1471	2018	1706
BRAZIL	727	832	1373	1188	1514
CANADA	1423	1824	2099	2156	2859
ALL OTHER	423	44	68	165	132
TOTAL EXCLUDING EUROPE	**32702**	**36969**	**53248**	**63516**	**86806**
GRAND TOTAL	**68745**	**72137**	**99756**	**97912**	**123616**

IMPORTS OF MAN-MADE KNIT FABRIC IN THE PIECE

COUNTRY	1979	1980	1981	1982	1983
FRANCE	160	149	145	244	159
GERMANY, FED. REP.	522	417	299	356	318
IRELAND	97	1	--	47	2
ITALY	288	182	138	337	279
SWEDEN	17	47	78	28	16
UNITED KINGDOM	302	94	73	132	58
OTHER EUROPE	90	66	51	49	63
TOTAL EUROPE ABOVE	**1476**	**956**	**784**	**1193**	**895**
HONG KONG	87	8	1	3	26
JAPAN	2060	1412	950	899	1039
KOREA, REPUBLIC OF	1	2	--	1	18
TAIWAN	17	54	36	31	79
CANADA	53	118	191	89	46
COSTA RICA	0	0	77	0	--
MEXICO	4	38	57	11	30
ALL OTHER	11	8	3	10	11
TOTAL EXCLUDING EUROPE	**2233**	**1640**	**1315**	**1044**	**1249**
GRAND TOTAL	**3709**	**2596**	**2099**	**2237**	**2144**

IMPORTS OF MAN-MADE FIBERS

COUNTRY	1979	1980	1981	1982	1983
AUSTRIA	5623	1438	4951	4975	3661
BELGIUM	507	52	2633	2464	1899
DENMARK	2	2	234	522	1065
FINLAND	366	130	119	190	142
FRANCE	2631	1477	9526	10974	12778
GERMAN DEM. REP.	0	0	0	103	3
GERMANY, FED. REP. OF	20315	17649	33850	25751	34307
GREECE	90	30	379	0	+
IRELAND	544	182	430	549	86
ITALY	5617	2168	11694	9735	18476
MALTA	102	105	0	0	0
NETHERLANDS	2186	2955	8058	2885	7609
POLAND	120	65	414	36	0
PORTUGAL	488	168	161	204	56
ROMANIA	3534	1810	2174	2801	4669
SPAIN	724	240	764	875	2531
SWEDEN	5611	2963	2724	4626	3639
SWITZERLAND	295	438	479	944	2192
UNITED KINGDOM	21156	11886	12392	7874	26728
OTHER EUROPE	22	44	22	87	513
TOTAL EUROPE ABOVE	**69933**	**43802**	**91004**	**75595**	**120354**
AUSTRALIA	177	488	1628	2408	1965
BANGLADESH	0	0	0	174	0
CHINA, P.R.O.	0	35	708	1768	1744
EGYPT	0	2	333	0	0
HONG KONG	75	15	172	359	334
INDONESIA	129	0	505	386	1007
IRAN	282	0	0	0	0
ISRAEL	1279	1373	1071	1025	2014
JAPAN	34054	27641	31453	31467	51231
KOREA, REPUBLIC OF	1411	767	830	874	5081
MALAYSIA	1108	369	818	1138	1600
NEW ZEALAND	19	121	169	17	0
PHILIPPINES	1064	2456	2431	1477	2183
SINGAPORE	648	961	1221	1386	1422
SOUTH AFRICA	1716	1880	1410	1691	2930
TAIWAN	12810	14076	9556	11542	10281
THAILAND	125	603	342	675	1022
ARGENTINA	58	311	41	329	298
BRAZIL	380	28	41	775	2222
CANADA	16219	22868	35120	24300	35599
COSTA RICA	37	5	106	225	1210
MEXICO	2631	5490	19443	18603	40107
PERU	85	0	0	0	0
VENEZUELA	487	1295	40	0	74
ALL OTHER	86	198	112	203	96
TOTAL OTHER ABOVE	**74880**	**80982**	**107550**	**100822**	**162420**
TOTAL ABOVE	**144813**	**124784**	**198554**	**176417**	**282774**
PRODUCTS NOT DETAILED	12762	7288	10536	8010	10364
GRAND TOTAL	**157575**	**132072**	**209090**	**184427**	**293138**

NOTE: Imports of man-made fiber apparel by country of origin are shown on page 45.

The three section totals on this page agree with the corresponding data on pages 44 and 51 of this issue.

The by country data in the "Imports of Man-Made Fiber" table above include singles, monofilaments and strips (see page 28 of the February 1984 and the corresponding pages of earlier February *Organon* issues), plied filament yarn, staple, grouped filaments, waste, spun yarns and textile glass fiber. The "products not detailed" in the above talbe comprise other yarns - NES, handwork yarns and sewing thread and sliver, tops and roving.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
CANADA	1404	1630	1698	2178	22753	31952	37665	52411	5212	6643	11247	13345	1610	1053	1180	911	62163	72168	58218	58979
COSTA RICA	18	44	39	67	1268	1231	2091	1509	854	470	1964	522	44	40	29	29	4435	5676	3780	5799
DOMINICAN REP.	185	29	175	38	1771	2681	2243	3023	108	98	216	128	59	39	45	33	281	429	279	281
EL SALVADOR	131	2	157	4	3037	2759	4903	4783	903	558	1899	1109	128	347	89	282	6972	9248	6545	7774
GUATEMALA	35	34	53	40	3428	1876	3691	7786	568	213	482	185	38	300	52	198	6030	4989	4896	3513
HAITI	1	2	1	2	797	726	1120	839	193	773	250	1046	2	0	1	0	23	32	22	37
HONDURAS	1	2	1	6	1040	1035	878	1267	39	8	109	32	0	+	0	1	1744	1985	1571	1524
JAMAICA	34	0	38	0	181	354	411	634	6	27	31	66	0	2	0	12	6	31	27	64
LEEWARD & WINDWARD IS.	0	0	0	0	3	157	12	253	3	10	4	13	31	0	24	0	8	2	35	3
MEXICO	7	23	17	49	2321	350	4346	690	1217	641	3487	3199	10506	5999	7643	4043	6871	1686	6938	1704
NICARAGUA	+	0	1	0	4	+	18	1	8	+	21	5	0	0	0	0	440	7	449	8
PANAMA	0	0	0	0	72	52	158	100	41	12	124	27	0	0	0	0	189	108	345	472
TRINIDAD	0	0	0	0	68	120	178	379	9	39	35	124	1	+	1	1	7	17	26	62
OTHER	1	+	5	2	90	2	146	5	45	11	76	27	2	+	3	1	123	13	145	69
NORTH AMERICA	**1817**	**1766**	**2185**	**2386**	**36833**	**43295**	**57860**	**73680**	**9206**	**9503**	**19945**	**19828**	**12421**	**7780**	**9067**	**5511**	**89292**	**96391**	**83276**	**80289**
ARGENTINA	231	197	329	282	3551	3125	4064	3129	200	481	473	831	461	286	379	178	6792	7493	4964	5314
BOLIVIA	0	22	0	34	46	9	171	39	+	21	4	33	0	0	0	0	631	615	514	468
BRAZIL	17	1	37	3	1232	956	2214	1704	1793	754	8597	1849	66	6	34	8	2285	253	2205	464
CHILE	26	56	80	78	198	194	238	284	26	206	177	463	1060	3002	982	2362	2481	4197	1993	4497
COLOMBIA	46	160	73	180	1993	1388	2214	2193	1120	372	5356	2276	3008	3048	1997	1750	3348	4675	3541	3802
ECUADOR	820	769	1297	1036	699	671	1405	1007	441	224	917	469	1145	826	863	565	8098	5789	6461	4096
PARAGUAY	0	6	0	6	19	26	33	19	1	0	3	0	0	0	0	0	+	0	1	0
PERU	2	3	12	14	1308	260	1642	366	879	137	1242	304	526	577	411	456	1541	965	1272	655
URUGUAY	0	0	0	0	56	354	133	1255	41	1	97	6	54	13	54	10	116	143	109	165
VENEZUELA	13	66	15	140	1586	1295	2725	2807	774	219	1550	666	11778	8905	9884	7398	1818	1222	1033	1093
OTHER	0	+	0	+	0	6	0	22	5	18	15	20	0	2	0	3	+	2	1	4
SOUTH AMERICA	**1155**	**1280**	**1843**	**1773**	**10683**	**8234**	**14839**	**12825**	**5280**	**2433**	**18431**	**6917**	**18098**	**16665**	**14604**	**12730**	**27110**	**25354**	**22094**	**20558**
BELGIUM/LUX.	9115	7513	7150	5854	9610	16988	19003	29028	13195	15316	21654	21761	33	21	58	22	14219	13314	22496	22782
DENMARK	+	0	1	0	377	232	495	230	477	0	375	0	10	17	11	14	8968	3674	8577	3224
FRANCE	16	20	15	15	3869	2519	10133	9215	615	361	1718	1208	142	166	209	300	636	536	735	806
GERMANY, FED. REP. OF	487	146	592	262	3280	1119	4053	2376	1653	1205	2531	2104	231	341	369	548	3026	895	2336	1996
GREECE	34	7	170	38	68	235	116	374	23	36	76	183	1	33	1	6	714	288	635	2691
IRELAND	+	0	1	0	4219	3989	7297	6647	130	70	240	166	0	0	0	0	244	484	669	874
ITALY	5	+	11	1	3512	1454	3467	925	1492	3417	1246	1494	369	63	254	71	4013	758	3007	757
NETHERLANDS	+	0	5	0	758	1039	782	1101	293	162	706	393	19	18	20	20	2623	1676	2498	1832
UNITED KINGDOM	10	62	10	62	8261	3874	12043	7120	3761	4014	6490	5559	470	353	541	478	5782	3524	6434	3670
AUSTRIA	0	0	0	0	0	29	0	47	11	11	52	35	4	4	5	6	38	43	220	63
CZECHOSLOVAKIA	141	0	515	0	0	0	0	0	22	150	13	587	0	0	0	0	44	0	29	0
FINLAND	3	0	16	0	809	188	1036	265	202	386	371	408	30	2	18	2	5013	2921	3207	2127
GERMAN DEM. REP.	0	0	0	0	38	84	107	230	0	0	0	0	0	0	0	0	267	447	179	242
HUNGARY	2	0	3	0	1091	0	1082	0	+	0	2	0	0	0	0	0	1197	0	857	0
ICELAND	0	0	0	0	1	1	2	3	37	0	37	0	0	0	0	0	278	0	289	0
NORWAY	0	+	0	1	224	113	301	129	38	41	44	51	32	46	44	63	741	127	597	78
POLAND	0	53	0	89	304	219	239	116	453	3674	398	3410	0	0	0	0	219	4421	129	2544
PORTUGAL	0	0	0	0	332	439	305	494	65	8	110	42	0	2	0	2	782	101	686	99
SPAIN	0	0	0	0	1279	361	1131	288	1331	2629	1701	2776	242	96	223	80	1321	2771	883	2279
SWEDEN	11	0	11	0	347	223	355	229	1857	1198	2036	1392	40	27	56	34	1163	903	904	1251
SWITZERLAND	1	6	4	10	1228	281	1770	543	76	42	141	177	8	15	13	20	1203	1074	1348	1164
TURKEY	0	4	0	5	5375	4329	5354	3640	16178	20338	17903	26021	0	0	0	0	2791	3801	2683	2997
USSR	969	1374	969	1590	0	0	0	0	0	0	0	0	0	11178	0	6176	304	0	427	0
YUGOSLAVIA	12	0	35	0	+	0	2	0	137	+	137	2	0	0	0	0	526	396	472	346
OTHER	0	109	0	135	0	7	0	44	+	0	2	0	0	219	0	269	0	220	0	205
EUROPE	**10806**	**9294**	**9508**	**8062**	**44982**	**37823**	**69073**	**63044**	**42046**	**53058**	**57983**	**67769**	**1631**	**12601**	**1822**	**8111**	**56112**	**42374**	**60297**	**52027**

See footnotes below.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(Continued)*

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
AUSTRALIA	1517	2216	2612	3478	9700	5082	21812	11066	1373	1559	3203	3281	713	322	1277	569	8694	4941	12129	7644
BANGLADESH	0	0	0	0	440	220	187	100	0	0	0	0	0	0	0	0	0	0	0	0
CHINA, PEOPLE'S REP. OF	5164	0	6838	0	95109	13014	114457	13233	404	34	546	93	6	0	14	0	137360	42424	90634	24483
HONG KONG	5	4	28	8	2174	574	2973	753	465	204	1195	863	3888	2	2117	5	2171	1805	1857	1377
INDIA	16	14	23	16	1430	230	1688	255	2189	2017	2337	1982	632	433	350	222	310	245	232	185
INDONESIA	48	36	35	75	1267	288	1182	724	76	+	204	1	3323	575	1971	297	743	90	1023	103
IRAQ	0	0	0	0	715	1308	1011	1212	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	26	1	28	4	5880	3829	5684	3700	5299	5832	5913	5280	71	3	46	5	1739	1316	1295	900
JAPAN	54	5	107	22	2682	1564	5565	3160	8782	9033	12461	12016	294	193	262	244	7529	2913	6591	3780
JORDAN	0	0	0	0	652	228	643	170	0	6	0	12	0	0	0	0	1	+	6	2
KOREA, REP. OF	758	491	867	592	3406	1022	3676	1506	646	251	585	657	8063	1100	4065	599	2812	5133	2416	3939
LEBANON	0	0	0	0	80	165	70	131	0	+	0	1	0	0	0	0	1	+	2	3
MALAYSIA	0	15	0	2	0	0	0	0	23	0	34	0	40	3	11	6	307	45	233	42
NEW ZEALAND	31	67	83	126	1206	612	2856	1241	226	301	541	645	32	271	72	206	466	243	820	461
PAKISTAN	4	0	13	0	91	77	134	117	1	0	5	0	2	29	2	3	48	1	36	2
PHILIPPINES	25	16	83	36	476	262	864	881	40	163	137	355	8861	1297	4604	559	3028	5315	2398	4408
QATAR	0	0	0	0	0	0	0	0	144	0	145	0	0	0	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	97	64	163	162	273	111	661	229	3	11	3	7	122	1	185	6
SINGAPORE	0	0	0	0	30	2	46	6	6	5	43	33	2420	+	1363	2	298	106	528	190
SYRIA	0	0	0	0	310	19	268	17	408	0	391	0	0	0	0	0	0	0	0	0
TAIWAN	178	13	199	71	485	425	490	694	913	1299	1056	1527	1918	670	1003	499	40876	53660	29180	36887
THAILAND	36	24	53	33	46	20	127	64	38	13	130	53	3473	0	1387	0	831	782	755	589
UNIT. ARAB EMIRATES	0	0	0	0	108	0	149	0	0	+	0	6	0	0	0	0	6	2	10	9
OTHER	0	3	0	4	13	122	32	251	13	39	27	53	6	0	5	0	83	28	65	15
ASIA & OCEANIA	**7862**	**2905**	**10969**	**4467**	**126397**	**29127**	**164077**	**39443**	**21319**	**20867**	**29614**	**27087**	**33745**	**4909**	**18552**	**3223**	**207425**	**119050**	**150395**	**85025**
ALGERIA	0	0	0	0	10133	5372	14665	7579	+	0	2	0	0	0	0	0	7	0	18	0
CAMEROON	0	0	0	0	425	67	622	86	0	0	0	0	0	0	0	0	0	+	0	3
EGYPT	0	4	0	7	20903	5618	25218	5924	1147	0	1455	0	999	915	148	199	289	7612	326	5372
KENYA	0	0	0	0	0	0	0	0	0	+	12	1	0	5	0	11	391	241	350	142
MOROCCO	0	33	0	40	2935	29	2634	13	597	7	530	3	26	0	29	0	147	0	114	0
MOZAMBIQUE	0	0	0	0	0	31	0	70	2	0	0	0	0	0	0	0	0	256	0	197
NIGERIA	0	0	0	0	7201	5941	8674	7333	176	2	314	6	0	101	118	73	99	0	77	0
SOUTH AFRICA	498	536	825	867	3108	3881	4599	5461	1378	418	1944	836	93	118	0	126	27210	18132	17834	12562
SUDAN	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	2080	217	1383	164
TANZANIA	0	0	0	0	935	488	1423	983	0	1	0	2	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	245	76	314	98	0	0	0	0	0	0	0	0	5	0	14	0
ZAMBIA	0	0	0	0	0	0	0	0	187	0	617	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	139	28	292	66	+	+	3	2	0	0	0	0	727	2139	557	1750
OTHER	0	0	0	0	74	127	38	111	27	+	47	1	0	118	0	121	129	0	135	0
AFRICA	**498**	**573**	**825**	**914**	**46098**	**21659**	**58479**	**27726**	**3514**	**428**	**4924**	**851**	**1118**	**1257**	**295**	**530**	**31084**	**28597**	**20808**	**20190**
GRAND TOTAL	**22139**	**15818**	**25331**	**17602**	**264998**	**140188**	**364328**	**216718**	**81365**	**86289**	**130897**	**122452**	**43355**	**43212**	**44340**	**30105**	**606175**	**311766**	**336870**	**258089**

The commodity numbers are:
A. 309.0110, .2210, 310.0006 & .0026.
B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044.
C. 309.0120, .0140, .0170, .2220, 310.0027 & .0032.
D. 309.4219 & .4222.
E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	3456	2585	357	402	239	4564	3574	594	655	502
OTHER[b]	310.0026	26770	24130	23914	21618	15496	24886	28135	27329	24490	16908
MONOFILAMENTS	309.0110	521	149	90	15	43	645	343	212	90	135
STRIPS	309.2210	43	66	346	105	40	58	61	273	96	56
SUBTOTAL ABOVE		**30790**	**26930**	**24707**	**22140**	**15818**	**30153**	**32113**	**28408**	**25331**	**17601**
STAPLE+TOW - RAYON	309.4222	96844	64817	55156	63371	40118	55706	44031	39032	41063	27427
STAPLE - ACETATE	309.4219	9663	6255	7004	3642	3093	7433	6145	4323	3277	2677
SUBTOTAL ABOVE		**106507**	**71072**	**62160**	**67013**	**43211**	**63139**	**50176**	**43355**	**44340**	**30104**
WASTE, ADVANCED & NOT ADVANCED	309.7400	9551	6090	2799	3193	1363	3684	2872	1358	1397	527
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	310.0008 & .0009	44797	53773	69600	39429	40008	63662	72940	107096	62179	58366
- HIGH TENACITY[c]	310.0027	46287	57804	57400	48396	55606	43503	63637	72569	57259	65096
- OTHER	310.0029	21223	24967	19424	11789	15580	31528	42082	37980	23987	33591
POLYESTER - TEXTURED	310.0010	85579	114910	236152	182935	64040	105864	141835	286022	227816	80399
- HIGH TENACITY[c]	310.0032	22407	23202	23440	13752	12237	24507	27660	31474	17846	15553
- OTHER[d]	310.0034	8616	7493	11759	10179	3713	9391	8793	13226	10221	6518
OTHER - TEXTURED	310.0014	9993	19005	11751	15652	12631	12163	23056	15085	19147	16139
- OLEFIN	310.0040	1990	2520	2603	1124	806	1998	2999	3312	1643	1259
- OTHER	310.0044	5050	5265	5231	3891	3610	17181	18734	21738	19335	20983
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	14916	15307	7786	4424	2350	30001	30834	20698	14193	10009
POLYESTER[e]	309.0140	21349	18985	7163	4242	2925	24923	21987	11903	8662	7292
OTHER	309.0170	5927	8665	6560	8185	9930	18693	28813	23244	28295	19101
STRIPS	309.2220 & .2270	2688	3427	4555	2366	3242	4566	5181	6635	4642	5402
SUBTOTAL ABOVE		**290822**	**355323**	**463424**	**346364**	**226678**	**387980**	**488551**	**650982**	**495225**	**339706**
STAPLE - NYLON	309.4240	33857	29306	27556	15374	13518	29779	30141	33825	19751	17857
- POLYESTER	309.4242	307246	447290	522681	189584	101255	165284	285737	361110	134073	68307
- ACRYLIC	309.4245	181112	145172	156661	126617	114385	109404	103264	114359	91350	78572
- OLEFIN	309.4246	6910	3275	1758	7616	3698	6304	2371	1491	3663	2746
- OTHER	309.4247	16749	17751	18033	15410	11974	19391	25654	31381	29336	28331
GROUPED FILAMENTS											
NYLON	309.3220	10614	7282	4561	4966	3425	13816	11747	9625	11281	8766
POLYESTER[d]	309.3240	78566	54880	26777	28133	28890	69067	50247	28444	28075	25808
ACRYLIC	309.3250 & .3255	23281	27517	32655	23322	34621	18389	20408	25940	19341	28101
SUBTOTAL ABOVE		**658335**	**732473**	**790682**	**411022**	**311766**	**431434**	**529569**	**606175**	**336870**	**258488**
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	18034	14520	13938	11806	11841	7514	9050	8903	7648	6093
POLYESTER	309.7630	77424	61153	54117	50903	40473	32029	25592	20814	21091	16090
ACRYLIC	309.7640	4807	2352	4795	1713	2025	1223	801	1552	610	773
OTHER	309.7660	37478	38395	34415	21654	16942	11950	13965	13433	10206	6583
SUBTOTAL ABOVE		**137743**	**116420**	**107265**	**86076**	**71281**	**52716**	**49408**	**44702**	**39555**	**29539**
TOTAL MAN-MADE FIBER ABOVE		**1233748**	**1308308**	**1451037**	**935808**	**670117**	**969106**	**1152689**	**1374980**	**942718**	**675967**
TEXTILE GLASS FIBER	309.2700 & .9700	47494	54407	38934	43714	39413	38867	54269	41642	39861	29553
GRAND TOTAL ABOVE		**1281242**	**1362715**	**1489971**	**979522**	**709530**	**1007973**	**1206958**	**1416622**	**982579**	**705520**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and tire cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1979	1980	1981	1982	1983	1979	1980	1981	1982	1983
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	2695	912	309	561	256	3903	1668	505	857	290
OTHER	310.0130 & .0230[a]	10495	7380	10373	6437	7843	13111	12222	15748	10381	12365
MONOFILAMENTS	309.0310 & .0610	--	0	4	2	24	1	0	32	10	36
STRIPS, $1/LB & UNDER	309.2000*	81	10	33	27	570	52	16	28	15	396
SUBTOTAL ABOVE		**13271**	**8302**	**10719**	**7027**	**8693**	**17067**	**13906**	**16313**	**11263**	**13087**
STAPLE	309.4320 & .4325	13949	7998	14626	11939	12752	8042	5653	10348	8383	8434
GROUPED FILAMENTS	309.3010 & .3110	2580	2308	2137	1469	836	3677	5023	2211	2342	1312
SUBTOTAL ABOVE		**16529**	**10306**	**16763**	**13408**	**13588**	**11719**	**10676**	**12559**	**10725**	**9746**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	803	339	519	395	277	314	146	291	170	164
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON	310.0109 & .0209	953	3154	3827	4744	5123	1128	4089	7103	8157	8610
- POLYESTER	310.0110 & .0210	1083	337	768	510	2182	1589	780	939	563	2403
- OTHER	310.0114 & .0214	153	195	492	4340	7659	360	373	895	5580	8986
OTHER - NYLON	310.0149 & .0249	6105	3572	3976	5533	14745	8310	5687	6147	7941	17994
- POLYESTER	310.0150 & .0250	7579	6672	5441	5263	13629	10230	9906	7082	7584	17705
- OTHER	310.0170 & .0270[b]	1346	1417	1595	1639	2739	2545	3149	3151	4854	6730
MONOFILAMENTS	309.0200 & .0330[c]	2365	4038	2615	1497	1737	6967	10243	6515	5053	4721
STRIPS, OVER $1/LB	309.2100 & .2500*	420	229	220	306	553	3267	2427	1547	2069	3952
SUBTOTAL ABOVE		**20004**	**19614**	**18934**	**23832**	**48367**	**34396**	**36654**	**33379**	**41801**	**71101**
STAPLE - NYLON	309.4338	2364	1698	23576	11503	27648	2455	2365	25067	10488	23588
- POLYESTER	309.4342	3087	1344	6649	7257	21502	2020	1184	4289	4791	11912
- ACRYLIC	309.4345	13047	13296	10465	7851	13644	9925	11509	10179	6777	12052
- OLEFIN	309.4346	57	144	1134	627	1195	54	146	638	638	911
- OTHER	309.4355	15766	14574	10666	10853	9078	8998	9779	7798	6744	7010
GROUPED FILAMENTS - NYLON	309.3030 & .3130	719	1022	2175	7620	19085	924	1364	2625	11385	27142
- POLYESTER	309.3040 & .3140	44	129	336	56	2035	36	137	541	160	2268
- ACRYLIC	309.3050 & .3150	2910	2608	3434	4438	6642	3694	4331	7181	8313	13631
- OTHER	309.3065 & .3165	1325	753	2082	882	663	1348	1126	2965	1247	742
SUBTOTAL ABOVE		**39319**	**35568**	**60517**	**51087**	**101492**	**29454**	**31941**	**61283**	**50543**	**99256**
WASTE, NOT ADVANCED											
NYLON	309.6625	12843	11658	25255	22190	26745	2811	2899	8358	8275	11494
POLYESTER	309.6630	3333	5936	18111	11187	13004	470	1004	3640	1944	2503
ACRYLIC	309.6645	2395	2358	2872	932	304	587	726	999	274	76
OTHER	309.6660	1568	965	2969	2530	2724	461	305	844	689	1000
NOILS & GARNETTED FIBERS	309.6000 & .7000*	3	4	85	55	232	6	3	54	34	82
OTHER WASTE, ADVANCED	309.7525 - .7555	984	625	536	851	3080	313	360	366	471	1219
SUBTOTAL ABOVE		**21126**	**21546**	**49828**	**37745**	**46089**	**4648**	**5297**	**14261**	**11687**	**16374**
TOTAL MAN-MADE FIBER ABOVE		**111052**	**95675**	**157280**	**133494**	**218506**	**97598**	**98620**	**138086**	**126189**	**209728**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1106	2	0	25	2	1	16	0	41	10	4
- NONCELLULOSIC	310.1015[d] & .1109[e]	2196	1378	3385	5315	8110	2955	2141	5774	7806	11709
OTHER -CELLULOSIC	310.1030 & .1135[f]	25	97	21	146	93	56	334	108	240	351
- NONCELLULOSIC	310.1050 & .1070[g]	300	389	373	979	2054	949	1347	763	1789	3594
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	585	508	659	325	1091	1126	1225	1522	756	1975
- OTHER	310.4015 & .4027[i]	20300	19387	18599	22056	31487	30821	33114	32603	40264	51623
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	3748	2320	4117	3107	2955	11607	8196	12852	9649	10969
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	2561	2260	2797	2277	2654	8347	7793	10681	9170	11898
SLIVER, TOPS & ROVING	309.9000	6453	2708	3622	2626	4755	3584	2034	2801	2977	5193
TEXTILE GLASS FIBER	309.2800 & .2900[j]	10353	7350	18212	219726	20020	6124	6453	12914	10114	13878
GRAND TOTAL ABOVE		**157575**	**132072**	**209090**	**184427**	**291726**	**163183**	**161257**	**218145**	**206964**	**320922**

SOURCE: U.S.Census Bureau Report IM146.
NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

MEASURING PRODUCTIVITY:

INDEXES OF OUTPUT FOR THE U.S. MAN-MADE FIBER INDUSTRY

In attempting to gauge the performance of an industry, it is imperative to determine the productivity of that industry. Simply stated, productivity is the number of hours (employee hours) it takes to produce a product (output). It is a measure of the overall strength and vitality of an industry. Over time, however, fluctuations in market conditions, employment levels, etc., can distort a historical trend, making year to year comparisons difficult to interpret. One method of easing the impact of such fluctuations is through the use of an index, for it is a convenient way to measure current performance against historical trends.

As illustrated in the graph on the opposite page, the U.S. man-made fiber (synthetic fiber) industry has become more productive since 1967. Output per employee-hour and industry output have risen dramatically over the past fifteen years (see also table on page 54). The notable increase in productivity is particularily striking when compared to employee-hours, which have generally fallen since 1967. It is interesting to note that the sharp drop in industry output significantly affected the output per employee-hour and also coincided with the 1982 recession. It is at this point the output per employee-hour index reversed its historical trend on the graph.

METHODOLOGY AND DATA SOURCES

Indexes for the U.S. man-made fiber industry are on pages 54 and 55. The index data are taken directly from the U.S. Department of Labor publication, **Productivity Measures for Selected Industries 1957-1982**. Output, employment and employee-hour data are found on page 54, while ouput-per-hour and output-per-employee data are on page 55. It must be emphasized that all data are in terms of an **index** (e.g. there is no data listing the total number of employees in absolute terms). For the purposes of these indexes, all other years are compared to 1977, the benchmark year.

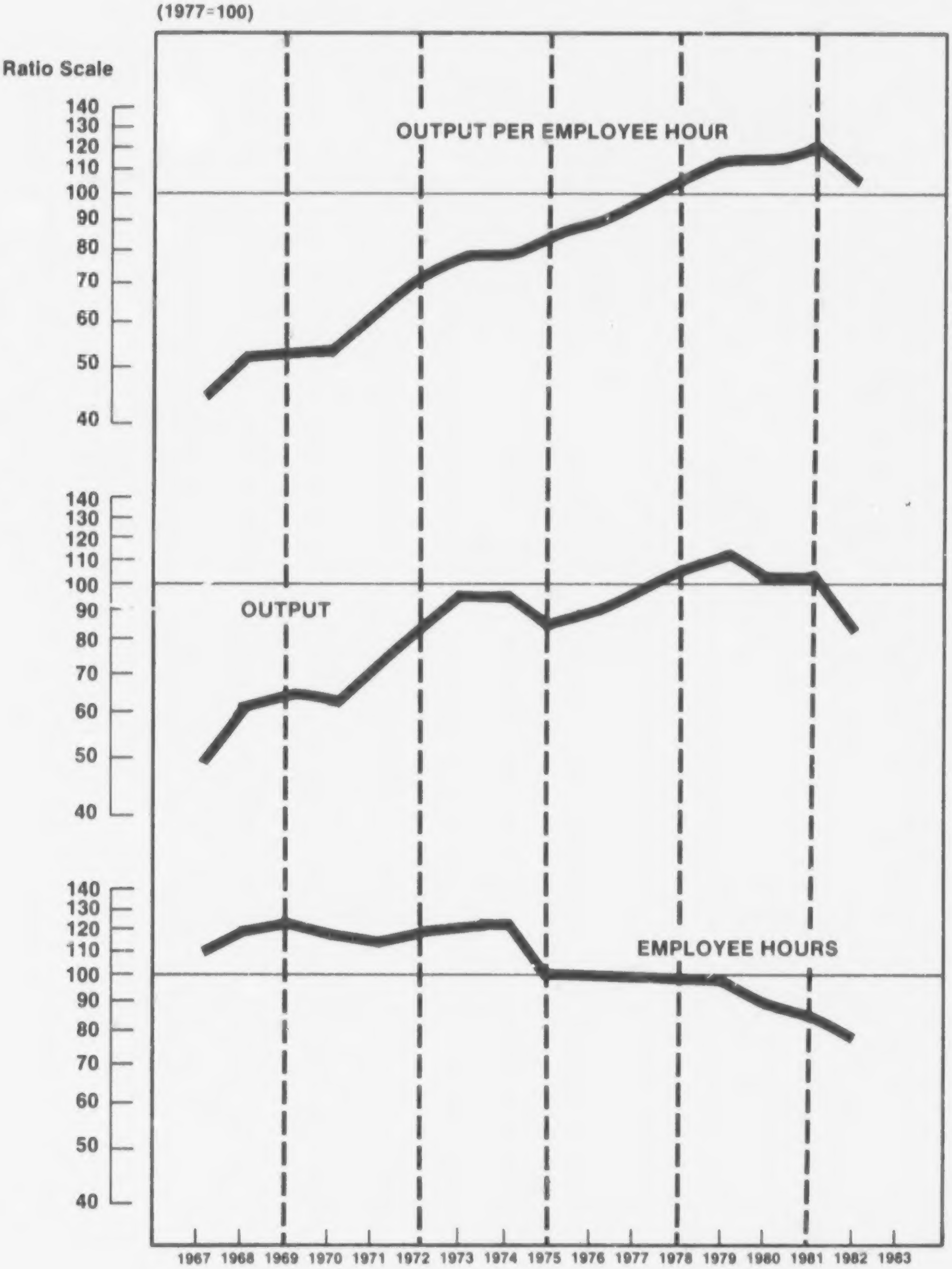
The output index on page 54 is based on production data published in the ***Textile Organon*** and is computed from a weighted aggregate of production of cellulosic yarn, cellulosic staple+tow, noncellulosic yarn and noncellulosic staple+tow. Estimated employee-hour requirements were used to weight each of the four output categories, as some products require more time to manufacture than others. These employee-hour requirements are taken from **Census of Manufactures**.

The employment and employee-hour indexes on page 54 measure the change over time in the aggregate number of industry employees and the corresponding employee-hours. Both indexes are divided between production workers (blue-collar plant workers) and nonproduction workers (white-collar executives). These indexes are based on data published by the Bureau of the Census and estimates of the Bureau of Labor Statistics.

Finally, the output-per-hour and output-per-employee indexes are found on page 55. The output-per-hour data are obtained by dividing the output index by the employee-hour index, while the output-per-employee index is derived by dividing the output index by the employment index.

SYNTHETIC FIBERS (SIC 2823,2824): OUTPUT PER HOUR AND RELATED DATA

1967-1982



SOURCE: Bureau of Labor Statistics, U.S. Department of Labor

SYNTHETIC FIBERS (SIC 2823, 2824): INDEXES OF OUTPUT, EMPLOYEE HOURS & EMPLOYEES

1957 - 1982

YEAR	OUTPUT	EMPLOYEE HOURS			EMPLOYEES		
		ALL EMPLOYEES	PRODUCTION WORKERS	NONPRODUCTION WORKERS	ALL EMPLOYEES	PRODUCTION WORKERS	NONPRODUCTION WORKERS
1957	24.2	78.4	79.3	75.6	77.8	79.3	73.6
1958	22.1	74.6	72.8	80.3	73.3	71.6	78.4
1959	26.4	77.8	79.0	73.5	76.1	77.7	71.8
1960	24.8	76.5	76.3	77.0	76.2	76.6	75.5
1961	26.1	74.9	74.3	76.8	74.2	73.8	75.8
1962	31.2	81.5	82.5	78.2	80.1	81.1	77.1
1963	33.3	87.8	86.7	91.4	85.5	84.0	90.1
1964	38.2	94.5	94.0	96.2	91.2	90.2	94.3
1965	43.8	104.9	105.3	104.0	102.2	102.1	102.6
1966	47.8	113.9	111.6	120.4	111.7	109.2	119.3
1967	48.7	108.2	107.6	109.9	106.6	105.8	108.9
1968	61.9	118.8	121.1	111.8	115.2	117.0	109.9
1969	64.2	122.2	124.0	116.4	119.1	120.4	115.0
1970	63.2	117.4	117.2	117.7	116.3	116.1	117.0
1971	72.9	115.2	116.9	109.7	114.2	115.9	108.9
1972	85.2	116.7	119.9	106.3	114.1	116.7	106.1
1973	96.3	121.1	125.0	108.6	117.8	121.5	107.1
1974	95.5	122.5	123.5	119.2	121.3	123.0	116.4
1975	85.9	101.7	98.8	110.9	103.0	101.1	108.9
1976	90.8	101.4	98.6	110.1	102.9	101.1	108.5
1977	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1978	105.0	99.3	100.3	98.3	99.4	99.9	98.2
1979	113.0	98.3	99.2	95.6	97.6	98.4	95.1
1980	103.9	89.8	88.5	93.6	90.4	89.6	92.9
1981	104.2	86.2	84.9	90.2	86.9	85.9	89.8
1982[a]	83.3	79.0	74.8	92.4	81.4	77.9	92.0
Average Annual Percent Change							
1957-1982	*7.2*	*0.8*	*0.8*	*1.0*	*0.9*	*0.9*	*1.1*
1977-1982	*-2.9*	*-4.8*	*-5.7*	*-1.9*	*-4.2*	*-5.0*	*-2.0*

[a] Preliminary.

NOTE: Because of periodic revisions in source data, the measures in this table may differ from those previously published.

SOURCE: Output based on data from the Textile Economics Bureau Inc. and the Bureau of the Census. Employment and hours based on data from the Bureau of the Census and the Bureau of Labor Statistics.

SYNTHETIC FIBERS (SIC 2823, 2824): INDEXES OF OUTPUT PER EMPLOYEE HOUR & OUTPUT PER EMPLOYEE

1957 - 1982

YEAR	OUTPUT PER HOUR[a]			OUTPUT PER EMPLOYEE[a]		
	ALL EMPLOYEES	PRODUCTION WORKERS	NONPRODUCTION WORKERS	ALL EMPLOYEES	PRODUCTION WORKERS	NONPRODUCTION WORKERS
1957	30.9	30.5	32.0	31.1	30.5	32.9
1958	29.6	30.4	27.5	30.2	30.9	28.2
1959	33.9	33.4	35.9	34.7	34.0	36.8
1960	32.4	32.5	32.2	32.5	32.4	32.8
1961	34.8	35.1	34.0	35.2	35.4	34.4
1962	38.3	37.8	39.9	39.0	38.5	40.5
1963	37.9	38.4	36.4	38.9	39.6	37.0
1964	40.4	40.6	39.7	41.9	42.4	40.5
1965	41.8	41.6	42.1	42.9	42.9	42.7
1966	42.0	42.8	39.7	42.8	43.8	40.1
1967	45.0	45.3	44.3	45.7	46.0	44.7
1968	52.1	51.1	55.4	53.7	52.9	56.3
1969	52.5	51.8	55.2	53.9	53.3	55.8
1970	53.8	53.9	53.7	54.3	54.4	54.0
1971	63.3	62.4	66.5	63.8	62.9	66.9
1972	73.0	71.1	80.2	74.7	73.0	80.3
1973	79.5	77.0	88.7	81.7	79.3	89.9
1974	78.0	77.3	80.1	78.7	77.6	82.0
1975	84.5	86.9	77.5	83.4	85.0	78.9
1976	89.5	92.1	82.5	88.2	89.8	83.7
1977	100.0	100.0	100.0	100.0	100.0	100.0
1978	105.2	104.7	106.8	105.6	105.1	106.9
1979	115.0	113.9	118.2	115.8	114.8	118.8
1980	115.7	117.4	111.0	114.9	116.0	111.8
1981	120.9	122.7	115.5	119.9	121.3	116.0
1982[b]	105.4	111.4	90.2	102.3	106.9	90.5
Average Annual Percent Change						
1957-1982	*6.3*	*6.4*	*6.1*	*6.2*	*6.2*	*6.0*
1977-1982	*2.0*	*3.0*	*-1.0*	*1.4*	*2.2*	*-0.9*

[a] The output measures underlying the output per employee hour and output per employee indexes relate to the total production of the industry. They do not relate to the specific output of any single group of employees.

[b] Preliminary.

NOTE: Because of periodic revisions in source data, the measures in this table may differ from those previously published.

SOURCE: Output based on data from the Textile Economics Bureau Inc. and the Bureau of the Census. Employment and hours based on data from the Bureau of the Census and the Bureau of Labor Statistics.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1980	1981	1982	1983	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(A) ACETATE		(N) NYLON *				(P) POLYESTER				(O) OLEFIN			
HOSIERY[b]	N	106.3	107.0	92.3	104.3	22.4	22.2	23.9	23.8	25.4	26.3	26.0	26.6
OTHER CIRCULAR KNIT[c]	N	56.6	48.2	25.7	24.5	8.4	5.4	7.0	4.9	5.3	6.0	6.0	7.2
	P	495.7	345.6	228.4	293.7	59.4	57.6	55.4	56.0	77.2	79.3	67.5	69.7
	A	3.2	3.6	1.6	2.1	0.4	0.7	0.2	0.3	0.7	0.5	0.6	0.3
FLAT KNIT	A	144.9	98.7	71.7	79.1	20.2	20.5	16.9	14.1	18.0	23.6	20.1	17.4
	N	176.3	163.2	130.8	162.2	32.8	32.6	31.0	34.4	39.0	42.4	39.8	41.0
	P	83.8	98.4	87.0	116.6	21.1	21.8	23.5	20.6	22.4	26.2	31.3	36.7
CARPET FACE	N	714.5	633.6	559.5	734.6	123.6	141.4	154.3	140.2	143.9	196.4	196.4	197.9
	O	89.5	89.5	90.0	131.2	23.4	22.1	23.0	21.5	29.8	34.0	33.1	34.3
CARPET BACKING[d]	O	197.8	195.3	184.7	198.8	45.7	45.6	49.1	44.3	46.1	54.1	53.7	44.9
OTHER BROAD WOVEN[e]	A	110.5	110.7	88.8	113.6	22.3	23.3	20.9	22.3	24.2	29.2	29.7	30.5
	N	94.3	89.2	82.2	83.6	21.5	20.8	18.9	21.0	21.3	22.3	19.3	20.7
	P	405.5	440.2	367.0	489.9	78.4	88.5	98.7	101.4	107.0	138.6	118.1	126.2
	O	186.3	200.7	172.5	217.1	42.8	44.6	43.1	42.0	48.9	57.2	58.1	52.9
NARROW WOVEN[f]	A	8.7	8.6	2.9	1.7	0.9	0.7	1.0	0.3	0.9	0.2	0.4	0.2
	N	31.4	34.0	30.2	35.3	8.2	7.8	6.6	7.6	7.0	9.2	9.5	9.6
	P	28.1	28.1	28.1	35.5	5.4	8.3	7.0	7.4	7.7	8.5	8.7	10.6
	O	12.3	12.6	12.1	15.0	2.8	3.0	3.2	3.1	3.7	3.5	3.8	4.0
TIRES, INCL. CHAFER	N	209.2	204.7	147.9	145.5	39.1	39.8	28.3	40.7	29.2	33.7	34.8	47.8
	P	161.0	174.8	168.9	174.1	43.7	44.1	39.9	41.2	42.9	45.3	42.5	43.4
OTHER RUBBER INDUSTRY[g]	N	22.3	25.7	17.3	16.3	6.4	5.2	2.7	3.0	4.1	4.3	4.0	3.9
	P	30.2	35.1	26.7	27.8	8.4	7.7	5.5	5.1	6.4	7.7	5.9	7.8
ROPE, CORDAGE & FISHLINE	N	33.0	30.6	29.1	31.7	7.1	6.7	7.3	8.0	7.5	7.6	8.0	8.6
	P	13.1	15.8	14.4	12.2	2.9	3.6	3.3	4.6	3.3	3.4	2.8	2.7
	O	84.4	92.1	84.8	95.5	23.2	20.6	19.6	21.4	23.3	25.7	23.1	23.4
ALL OTHER[h]	A	1.9	4.7	4.0	1.1	1.1	1.9	0.5	0.5	0.3	0.4	0.2	0.2
	N	95.0	68.1	50.6	54.4	12.1	14.6	12.7	11.2	12.3	10.9	14.6	16.6
	P	146.0	292.0	214.3	144.6	77.9	60.9	33.7	41.8	39.4	33.6	30.4	41.2
	O	41.4	38.1	32.9	40.8	8.9	9.1	6.5	8.4	8.8	9.7	10.3	12.0
TOTAL ABOVE	**A**	**269.2**	**226.3**	**169.0**	**197.6**	**44.9**	**47.1**	**39.5**	**37.5**	**44.1**	**53.9**	**51.0**	**48.6**
	N	**1538.9**	**1404.3**	**1165.6**	**1392.4**	**281.6**	**296.5**	**292.7**	**294.8**	**295.0**	**359.1**	**358.4**	**379.9**
	P	**1363.4**	**1430.0**	**1134.8**	**1294.4**	**297.2**	**292.5**	**267.0**	**278.1**	**306.3**	**342.6**	**307.2**	**338.3**
	O	**611.7**	**628.3**	**577.0**	**698.4**	**146.8**	**145.0**	**144.5**	**140.7**	**160.6**	**184.2**	**182.1**	**171.5**
TOTAL DOMESTIC		**3783.2**	**3688.9**	**3046.4**	**3582.8**	**770.5**	**781.1**	**743.7**	**751.1**	**806.0**	**939.8**	**898.7**	**938.3**
ALSO DIVIDED AS													
APPAREL		1530.4	1530.0	1128.2	1257.5	303.9	285.6	268.6	270.1	305.4	335.6	301.7	314.8
HOME FURNISHINGS		1212.7	1129.4	1016.6	1328.7	237.7	257.4	269.5	252.0	272.0	351.3	350.3	355.1
INDUSTRIAL		1040.1	1029.5	901.6	996.6	228.9	238.1	205.6	229.0	228.6	252.9	246.7	268.4
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		167.4	159.6	122.3	127.1	30.9	29.7	31.6	30.1	30.9	32.8	31.5	31.9
POLYESTER		942.0	991.3	737.9	832.4	198.1	189.1	172.7	178.0	201.0	221.8	192.2	217.4
OLEFIN		40.9	33.5	26.8	28.0	7.6	7.9	5.5	5.8	6.2	8.2	7.4	6.2

*. Includes Aramid in 1980 through 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1980	1981	1982	1983	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
(R) RAYON (N) NYLON * (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	275.7	255.6	230.5	237.3	54.7	62.6	56.3	56.9	58.1	64.3	60.4	54.5
	NPR	11.5	8.9	8.8	9.5	2.0	2.3	2.2	2.3	2.9	2.7	2.2	1.7
PILE FABRICS[b]	A	60.4	44.7	36.4	33.0	10.3	11.6	8.5	6.0	9.0	10.3	7.8	5.9
	P	18.3	14.9	15.6	18.2	3.9	3.8	4.0	3.9	4.8	4.9	5.0	3.5
OTHER CIRCULAR+FLAT KNIT[c]	R	9.8	10.9	5.7	3.5	1.5	1.5	1.3	1.4	1.0	1.2	0.9	0.4
	A	125.0	91.6	112.6	129.5	24.4	33.0	28.8	26.4	31.5	32.2	33.0	32.8
	P	296.3	300.7	288.8	354.4	70.9	72.2	71.8	73.9	91.5	91.1	85.8	86.0
BLANKETS[b]	A	42.2	28.1	23.7	27.1	4.7	5.5	7.1	6.4	7.7	6.7	8.1	4.6
	P	17.3	14.8	12.0	10.5	2.1	3.0	3.3	3.6	3.8	2.8	2.5	1.4
OTHER BROAD WOVEN	R	201.6	224.7	146.6	182.1	38.4	34.7	35.0	38.5	40.8	45.3	47.0	49.0
	N	53.0	52.4	56.4	59.0	11.6	14.9	14.3	15.6	15.4	16.6	14.2	12.8
	A	42.3	33.0	25.7	32.5	5.7	7.9	5.5	6.6	7.7	8.8	8.2	7.8
	P	1194.6	1107.0	889.0	1062.9	232.2	222.3	209.6	224.9	237.0	270.4	272.3	283.2
	O	17.3	17.1	16.1	19.4	3.7	6.0	2.5	3.9	4.9	5.0	4.9	4.6
CARPET FACE YARNS	R	+	0.3	0.1	0.2	+	0.1	0	+	+	0.1	+	0.1
	N	631.5	617.4	594.4	815.2	125.1	150.1	165.5	153.7	175.3	220.7	215.9	203.3
	A	Included in All Other											
	P	119.9	124.0	114.7	139.0	24.6	32.0	27.6	30.5	34.7	39.8	33.2	31.3
	O	61.6	67.5	76.8	93.6	17.0	21.5	19.6	18.7	21.7	23.7	22.7	25.5
FIBERFILL[d]	P	205.1	226.7	228.4	275.4	49.0	53.4	60.8	65.2	60.8	68.8	75.3	70.5
FLOCK	NP	10.8	13.0	10.2	10.6	2.1	2.8	2.6	2.7	2.3	3.0	3.0	2.3
	R	5.1	5.6	3.1	3.2	0.7	0.9	0.8	0.7	0.9	0.7	0.7	0.9
NONWOVENS[e,f]	R	147.3	124.6	111.9	119.0	32.4	25.5	27.7	26.3	30.5	29.0	29.3	30.2
	N	3.2	3.5	3.8	4.9	1.1	0.8	1.1	0.8	1.1	1.1	1.4	1.3
	P	166.6	149.3	155.2	177.4	35.0	38.8	42.8	38.6	38.8	48.4	47.8	42.4
	VINYON+O	34.6	42.7	39.0	61.5	7.4	10.2	12.5	8.9	10.2	13.0	16.5	21.8
ALL OTHER	R	26.2	29.1	24.3	23.8	4.4	6.6	6.7	6.6	6.3	6.1	6.4	5.0
	N	12.2	10.3	7.7	5.2	1.8	2.1	2.1	1.7	1.2	1.6	1.3	1.1
	A	39.7	41.1	29.0	32.8	8.3	7.3	7.4	6.0	6.1	7.0	10.4	9.3
	P	42.6	60.6	57.8	55.8	18.0	18.1	7.6	14.1	14.6	12.6	14.7	13.9
	VINYON+O	1.5	4.7	7.0	8.9	1.2	2.2	1.8	1.8	2.9	2.4	1.0	2.6
TOTAL ABOVE	**R**	**390.7**	**396.9**	**293.7**	**333.5**	**77.6**	**69.8**	**72.1**	**74.2**	**80.1**	**83.0**	**84.6**	**85.8**
	N	**711.2**	**696.4**	**673.3**	**897.1**	**141.9**	**170.8**	**185.8**	**174.8**	**196.0**	**243.5**	**236.2**	**221.4**
	A	**585.3**	**494.1**	**457.9**	**492.2**	**108.1**	**127.9**	**113.6**	**108.3**	**120.1**	**129.3**	**127.9**	**114.9**
	P	**2071.0**	**2005.4**	**1767.5**	**2099.2**	**437.3**	**445.3**	**428.9**	**456.0**	**487.6**	**540.4**	**538.1**	**533.1**
	VINYON+O	**115.0**	**132.0**	**138.9**	**183.4**	**29.3**	**39.9**	**36.4**	**33.3**	**39.7**	**44.1**	**45.1**	**54.5**
TOTAL DOMESTIC		**3873.2**	**3724.8**	**3331.3**	**4005.4**	**794.2**	**853.7**	**836.8**	**846.6**	**923.5**	**1040.3**	**1031.9**	**1009.7**
ALSO DIVIDED AS													
APPAREL		1632.9	1487.5	1321.7	1461.3	326.3	342.7	321.2	331.5	360.8	386.0	359.9	354.6
HOME FURNISHINGS		1478.0	1442.9	1266.4	1630.0	287.9	323.8	329.1	325.6	363.9	432.9	424.8	408.4
INDUSTRIAL		762.3	794.4	743.2	914.1	180.0	187.2	186.5	189.5	198.8	221.4	247.2	246.7

* 1980 through 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1984						2 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	1984	1983
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	55	5					60	30
CANADA	42	12					54	549
MEXICO	163	120					283	125
AUSTRIA	0	0					0	330
GERMANY, FED. REP. OF	714	327					1041	196
NETHERLANDS	28	40					68	82
UNITED KINGDOM	0	0					0	10
JAPAN	74	86					160	24
REP. OF KOREA	60	0					60	40
ALL OTHER COUNTRIES[a]	0	1					1	48
TOTAL CELL. YARN	**1136**	**591**					**1727**	**1434**
CELLULOSIC STAPLE+TOW								
CANADA	803	884					1687	788
AUSTRIA	390	70					460	158
FRANCE	16	18					34	0
SWEDEN	164	432					596	187
UNITED KINGDOM	225	81					306	2
JAPAN	116	47					163	308
TAIWAN	0	0					0	27
ALL OTHER COUNTRIES[b]	0	0					+	1
TOTAL CELL. STAPLE	**1714**	**1532**					**3246**	**1471**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	1284	1467					2751	1178
MEXICO	1317	1796					3113	306
FRANCE	224	222					446	367
GERMANY, FED. REP. OF	846	1097					1943	1210
ITALY	199	569					768	99
NETHERLANDS	54	95					149	35
SPAIN	95	225					320	245
SWITZERLAND	17	101					118	169
UNITED KINGDOM	531	89					620	480
ISRAEL	111	72					183	362
JAPAN	1131	1338					2469	1712
REP. OF KOREA	42	55					97	13
TAIWAN	122	+					122	62
SOUTH AFRICA	347	563					910	0
ALL OTHER COUNTRIES[c]	231	233					464	78
TOTAL N.C. YARN	**6551**	**7922**					**14473**	**6316**
NONCELLULOSIC STAPLE+TOW								
CANADA	1028	1102					2130	678
COSTA RICA	155	354					509	0
MEXICO	2812	2217					5029	1672
BELGIUM	32	61					93	78
FRANCE	483	507					990	1590
GERMANY, FED. REP. OF	1965	1587					3552	2186
ITALY	1182	791					1973	2339
NETHERLANDS	88	140					228	38
SWITZERLAND	22	+					22	0
UNITED KINGDOM	1306	1060					2366	969
AUSTRALIA	0	24					24	91
ISRAEL	45	28					73	55
JAPAN	1334	926					2260	1446
REP. OF KOREA	0	40					40	40
TAIWAN	826	471					1297	830
ROMANIA	138	98					236	0
SOUTH AFRICA	0	213					213	0
ALL OTHER COUNTRIES[d]	394	88					482	0
TOTAL N.C. STAPLE	**11810**	**9707**					**21517**	**12012**

Other countries supplying 1984 poundages are:

a. Italy 1.

b. Federal Republic of Germany +.

c. Australia 26, Austria 76, Belgium 61, Brazil 99, Denmark 1, India +, Norway 27, Portugal 1, Romania 165 and Sweden 8.

d. Austria 12, Brazil 252, Denmark 2, Hong Kong 2, Poland 9, Portugal 41, Spain 25, Sweden 60 and Turkey 79.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1984						2 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1984	1983
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	0	0					0	201
OTHER	310.0130 & .0230[a]	1136	585					1721	1221
MONOFILAMENTS	309.0310 & .0610	0	0					0	0
STRIPS, $1/LB & UNDER	309.2000*	0	6					6	12
SUBTOTAL ABOVE		**1136**	**591**					**1727**	**1434**
STAPLE	309.4320 & .4325	1517	1483					3000	1371
GROUPED FILAMENTS	309.3010 & .3110	197	49					246	100
SUBTOTAL ABOVE		**1714**	**1532**					**3246**	**1471**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	40	69					109	41
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	1064	1571					2635	622
- POLYESTER	310.0110 & .0210	821	1167					1988	119
- OTHER	310.0114 & .0214	651	604					1255	1217
OTHER - NYLON	310.0149 & .0249	2022	2221					4243	1642
- POLYESTER	310.0150 & .0250	1328	1658					2986	1960
- OTHER	310.0170 & .0270[b]	202	274					476	426
MONOFILAMENTS	309.0200 & .0330[c]	383	325					708	263
STRIPS, OVER $1/LB	309.2100 & .2500*	80	102					182	67
SUBTOTAL ABOVE		**6551**	**7922**					**14473**	**6316**
STAPLE - NYLON	309.4338	2921	2034					4955	3713
- POLYESTER	309.4342	3115	2489					5604	1882
- ACRYLIC	309.4345	1081	1257					2338	1427
- OLEFIN	309.4346	325	76					401	109
- OTHER	309.4355	1109	969					2078	1457
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	2271	1604					3875	2125
POLYESTER	309.3040 & .3140	227	593					820	4
ACRYLIC	309.3050 & .3150	646	538					1184	1205
OTHER	309.3065 & .3165	115	147					262	90
SUBTOTAL ABOVE		**11810**	**9707**					**21517**	**12012**
WASTE, NOT ADVANCED									
- NYLON	309.6625	2390	4767					7157	2541
- POLYESTER	309.6630	634	810					1444	1911
- ACRYLIC	309.6645	37	1					38	175
- OTHER	309.6660	139	213					352	396
NOILS & GARNETTED FIBERS	309.6000 & .7000*	56	62					118	0
OTHER WASTE, ADVANCED	309.7525 - .7555	105	300					405	441
SUBTOTAL ABOVE		**3361**	**6153**					**9514**	**5464**
TOTAL MAN-MADE ABOVE		**24612**	**25974**					**50586**	**26738**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC		0	*					*	0
- NONCELLULOSIC	310.1015[d] & .1109[e]	1109	1204					2313	1216
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	12					14	41
- NONCELLULOSIC	310.1050 & .1070[g]	146	84					230	405
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	104	52					156	99
- OTHER	310.4015 & .4027[i]	757	3042					3799	4066
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	121	112					233	568
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	410	250					660	497
SLIVER, TOPS & ROVING	309.9000	589	756					1345	678
TEXTILE GLASS FIBER	309.2800 & .2900[j]	2128	2900					5028	2749
GRAND TOTAL ABOVE		**29978**	**34386**					**64364**	**37057**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any segregation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA *(REVISED)*

MILLION POUNDS

ITEM	1983												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1983	1982
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**	**21.9**	**19.0**	**18.0**	**19.5**	**17.9**	**225.8**	**198.8**
NYLON[e] - INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4	26.6	30.6	32.1	32.7	27.4	318.1	324.5
- LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4	3.1	3.1	3.2	3.2	4.2	35.5	29.5
- CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2	71.1	71.4	66.8	69.5	69.9	762.6	582.1
- TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5	32.8	31.5	32.0	33.5	30.9	381.4	331.6
POLYESTER - INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5	26.4	27.4	25.9	27.1	24.8	307.6	288.0
- LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7	2.7	2.1	2.4	2.3	2.1	26.0	22.4
- TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9	83.4	84.0	83.3	92.9	92.8	1027.1	927.1
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5	62.5	63.6	57.2	53.0	65.5	714.2	592.3
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**	**308.6**	**313.7**	**302.9**	**314.2**	**317.6**	**3572.5**	**3097.5**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**	**37.1**	**32.0**	**30.9**	**32.8**	**32.3**	**377.4**	**360.2**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2	85.2	82.8	79.5	77.2	68.8	911.2	689.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5	57.5	58.2	52.6	52.7	50.6	654.7	632.2
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6	197.0	208.3	184.3	186.1	187.0	2197.8	1941.6
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8	16.6	17.3	18.8	17.2	16.2	186.3	143.8
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**	**356.3**	**366.6**	**335.2**	**333.2**	**322.6**	**3950.0**	**3407.5**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**	**12.3**	**14.1**	**15.3**	**14.3**	**12.5**	**12.5**	**10.7**
NYLON[e] - INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4	30.8	24.8	23.1	19.6	23.8	23.8	27.0
- LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9	4.4	5.1	4.8	4.5	4.0	4.0	3.2
- CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7	45.5	44.2	49.0	47.9	54.0	54.0	54.8
- TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2	37.9	39.3	39.3	36.4	39.0	39.0	41.2
POLYESTER - INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1	23.3	21.3	20.4	18.9	18.7	18.7	27.2
- LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6	2.4	2.7	2.6	2.7	3.2	3.2	3.0
- TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6	78.8	79.8	85.6	75.4	75.7	75.7	68.8
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0	54.6	53.2	56.3	57.4	56.5	56.5	54.6
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**	**277.7**	**270.4**	**281.1**	**262.8**	**274.9**	**274.9**	**279.8**
STAPLE+TOW+FIBERFILL														
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**	**21.4**	**21.3**	**23.4**	**24.4**	**23.3**	**23.3**	**25.9**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1	55.0	57.9	60.3	60.0	75.1	75.1	59.9
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9	68.4	65.8	65.0	67.5	72.8	72.8	57.0
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1	181.6	160.4	176.4	175.2	174.1	174.1	187.8
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2	15.8	16.7	16.8	18.9	20.0	20.0	20.1
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**	**320.8**	**300.8**	**318.5**	**321.6**	**342.0**	**342.0**	**324.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2	9.8	12.8	14.1	13.7	13.9	12.4	151.8	110.2
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2	0.8	0.6	1.4	0.9	0.8	0.7	10.7	9.3
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4	10.6	13.4	15.5	14.6	14.7	13.1	162.5	119.5
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.7	262.8	246.4	242.6	247.2	201.4	2795.7	2304.5

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of this issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of this issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of this issue.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1984	1983
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**17.8**	**16.9**	**19.8**				**54.5**	**51.2**
NYLON[e] - INDUSTRIAL[f]	28.1	29.9	32.8				90.8	70.0
- LOW DENIER INDUSTRIAL[g]	2.9	3.0	3.0				8.9	7.8
- CARPET	70.0	62.9	65.5				198.4	150.1
- TEXTILE	34.5	31.3	30.9				96.7	92.5
POLYESTER - INDUSTRIAL[f]	24.5	25.2	28.3				78.0	73.0
- LOW DENIER INDUSTRIAL[g]	1.9	2.1	2.1				6.1	5.6
- TEXTILE	84.9	69.9	67.1				221.9	247.3
OLEFIN[h]	50.7	55.7	62.5				168.9	164.5
TOTAL NONCELLULOSIC ABOVE[i]	**297.5**	**280.0**	**292.2**				**869.7**	**810.8**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**32.4**	**31.6**	**38.0**				**102.0**	**87.0**
NYLON[e]	80.0	65.9	70.8				216.7	199.3
ACRYLIC+MODACRYLIC	53.0	52.2	63.9				169.1	161.4
POLYESTER	172.5	177.5	197.0				547.0	517.7
OLEFIN+VINYON	18.6	18.5	20.4				57.5	40.4
TOTAL NONCELLULOSIC ABOVE	**324.1**	**314.1**	**352.1**				**990.3**	**918.8**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**14.3**	**14.6**	**13.2**				**13.2**	**9.8**
NYLON[e] - INDUSTRIAL[f]	23.2	23.7	23.1				23.1	23.3
- LOW DENIER INDUSTRIAL[g]	4.0	4.4	5.7				5.7	4.4
- CARPET	54.0	58.8	60.4				60.4	51.3
- TEXTILE	36.3	36.9	37.7				37.7	38.3
POLYESTER - INDUSTRIAL[f]	22.0	22.3	20.2				20.2	27.7
- LOW DENIER INDUSTRIAL[g]	3.4	3.5	3.8				3.8	3.4
- TEXTILE	77.2	82.8	86.4				86.4	64.8
OLEFIN[h]	58.1	59.3	61.3				61.3	56.9
TOTAL NONCELLULOSIC ABOVE[i]	**278.2**	**291.7**	**298.6**				**298.6**	**270.1**
STAPLE+TOW+FIBERFILL								
RAYON	**25.1**	**27.4**	**25.3**				**25.3**	**31.5**
NYLON[e]	70.2	76.0	79.3				79.3	57.0
ACRYLIC+MODACRYLIC	77.3	79.6	75.4				75.4	56.0
POLYESTER	180.2	188.6	188.7				188.7	162.1
OLEFIN+VINYON	20.4	21.2	19.8				19.8	17.6
TOTAL NONCELLULOSIC ABOVE	**348.1**	**365.4**	**363.2**				**363.2**	**292.7**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	13.3	15.1					28.4	22.3
CARPET CLASS WOOL	0.9	0.8					1.7	1.5
TOTAL RAW WOOL	14.2	15.9					30.1	23.8
RAW COTTON	246.1	243.2					489.3	441.3

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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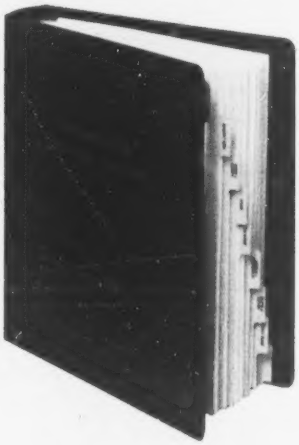

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- Production
- Domestic Shipments
- Exports
- Inventories
- Industrial Yarn
- Low Denier Industrial Yarn
- Carpet Yarn
- Textile Yarn
- Flat Yarn
- Feed & Producer Textured Yarn
- Shipments by Denier
- Indirect Exports

Quarterly

- Production
- Domestic Shipments
- Imports
- Exports
- Shipments by Denier
- Inventories
- Primary End Use
- Secondary End Use
- Waste Shipments

Semiannually & Annually

- Capacities
- Primary End-Use Summaries
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Textile Organon

Vol 55, No. 4 □ May 1984

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MONTHLY REVIEW

Highlights

Textile Organon Features

1983 Per Capita Consumption Review . . . begins on page 67.

May Capacity Survey Analysis . . . begins on page 72.

First Quarter Production & Shipment Results

Production of Nylon Yarn+Monofilaments Falls to 400.9 Million Pounds . . . see page 76.

Domestic Shipments of Acrylic+Modacrylic Rise to 120.6 Million Pounds . . . see page 77.

In April, shipments of nylon carpet yarn rose to the highest level since April 1981.

Shipments of polyester textile yarn rose in April, though shipments of polyester industrial yarn fell.

April shipments of olefin yarn+monofilament fell, while shipments of both nylon textile yarn and industrial yarn rose.

Shipments of polyester staple+tow rose to the highest level since September 1983, but shipments of acrylic+modacrylic staple+tow fell in April.

Shipments of nylon staple+tow rose in April to the highest level of the year, but shipments of olefin+vinyon staple+tow fell.

TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM	1984		%[a]	1983	%[b]	YEAR TO DATE		%[c]
	APR	MAR		APR		1984	1983	
YARN+MONOFILAMENTS								
ACETATE	**17.8**	**19.8**	*-10.1*	**18.8**	*-5.3*	**72.3**	**70.0**	*+10.4*
NYLON[d] - INDUSTRIAL	33.4	32.8	*+1.8*	25.9	*+29.0*	124.2	95.9	*+29.5*
- LOW DENIER INDUSTRIAL	2.9	3.0	*-3.3*	2.5	*+16.0*	11.9	10.3	*+15.5*
- CARPET	72.0	65.5	*+9.9*	60.2	*+19.6*	270.4	210.3	*+28.6*
- TEXTILE	32.7	31.1	*+5.1*	33.3	*-1.8*	129.4	125.8	*+2.9*
POLYESTER - INDUSTRIAL	26.4	28.3	*-6.7*	25.4	*+3.9*	104.4	98.4	*+6.1*
- LOW DENIER INDUSTRIAL	2.2	2.1	*+4.8*	2.1	*+4.8*	8.3	7.7	*+7.8*
- TEXTILE	75.3	67.1	*+12.2*	93.1	*-19.1*	297.2	340.4	*-12.7*
OLEFIN	58.3	64.1	*-9.0*	60.5	*-3.6*	231.9	225.0	*+3.1*
TOTAL NONCELLULOSIC ABOVE	**303.2**	**294.0**	*+3.1*	**303.0**	*+0.1*	**1177.7**	**1113.8**	*+5.7*
STAPLE+TOW+FIBERFILL								
RAYON	**35.9**	**38.0**	*-5.5*	**29.6**	*+21.3*	**137.9**	**116.6**	*+18.3*
NYLON[d]	82.3	70.8	*+16.2*	76.6	*+7.4*	299.0	275.9	*+8.4*
ACRYLIC+MODACRYLIC	58.2	63.9	*-8.9*	59.5	*-2.2*	227.3	220.9	*+2.9*
POLYESTER	200.8	197.0	*+1.9*	181.2	*+10.8*	747.8	698.9	*+7.0*
OLEFIN+VINYON	20.2	20.4	*-1.0*	15.2	*+32.9*	77.7	55.6	*+39.7*
TOTAL NONCELLULOSIC ABOVE	**361.5**	**352.1**	*+2.7*	**332.5**	*+8.7*	**1351.8**	**1251.3**	*+8.0*

[a] Percent change from previous month to current month.

[b] Percent change to current month from same month last year.

[c] Percent change from cumulative total last year to cumlative total this year.

[d] Nylon excludes Aramid.

Also see footnotes on last page of this issue.

Textile Organon

MAY, 1984

A MONTHLY REVIEW

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1983 PER CAPITA CONSUMPTION REVIEW

A Strong Rebound from 1982

Per capita consumption of all textile fibers (excluding non-textile glass fiber) grew to 53.6 million pounds in 1983, a rise of nearly 9 pounds, or 20% over 1982.

In 1983, per capita consumption was at its highest level since 1979, when on average 54.0 pounds of textile fiber were consumed by each person in the United States (Table 2B). It is interesting to note that though domestic consumption of fiber reached an all time high in 1983 of 12,554.2 million pounds, the per capita consumption of fiber was only at its fifth highest level since 1970.

Although 1983 was a good year in terms of per capita consumption, industry trends tell a different story.

In the face of a rising general economy, with growth in not only per capita GNP but also population, the per capita consumption of textile fibers exhibits a steadily declining trend line (Graph 2). Since 1970, per capita GNP grew at a rate of 1.8%, while per capita textile fiber consumption declined at a rate of -0.4%.

TABLE & GRAPH SUMMARY

Tables and graphs contained in this feature are described below:

Table 1:	Per capita GNP derived by dividing GNP data by population.
Table 2A:	Per capita consumption of textile fibers including both textile and non-textile glass fiber. This table is consistant with data previously published in the ***Textile Organon***.
Table 2B:	Per capita consumption of textile fibers including only textile glass fiber. This data is making its first appearance in the ***Textile Organon*** and provides a more accurate account of textile fiber per capita consumption.
Table 3:	Summary of domestic consumption data used to calculate the per capita consumption data found in Tables 2A and 2B.
Table 4:	Summary of mill consumption of all fibers, excluding non-textile glass fiber.

Continued on page 75.

GRAPH 1: PER CAPITA CONSUMPTION
(EXCLUDING NON-TEXTILE GLASS FIBER)

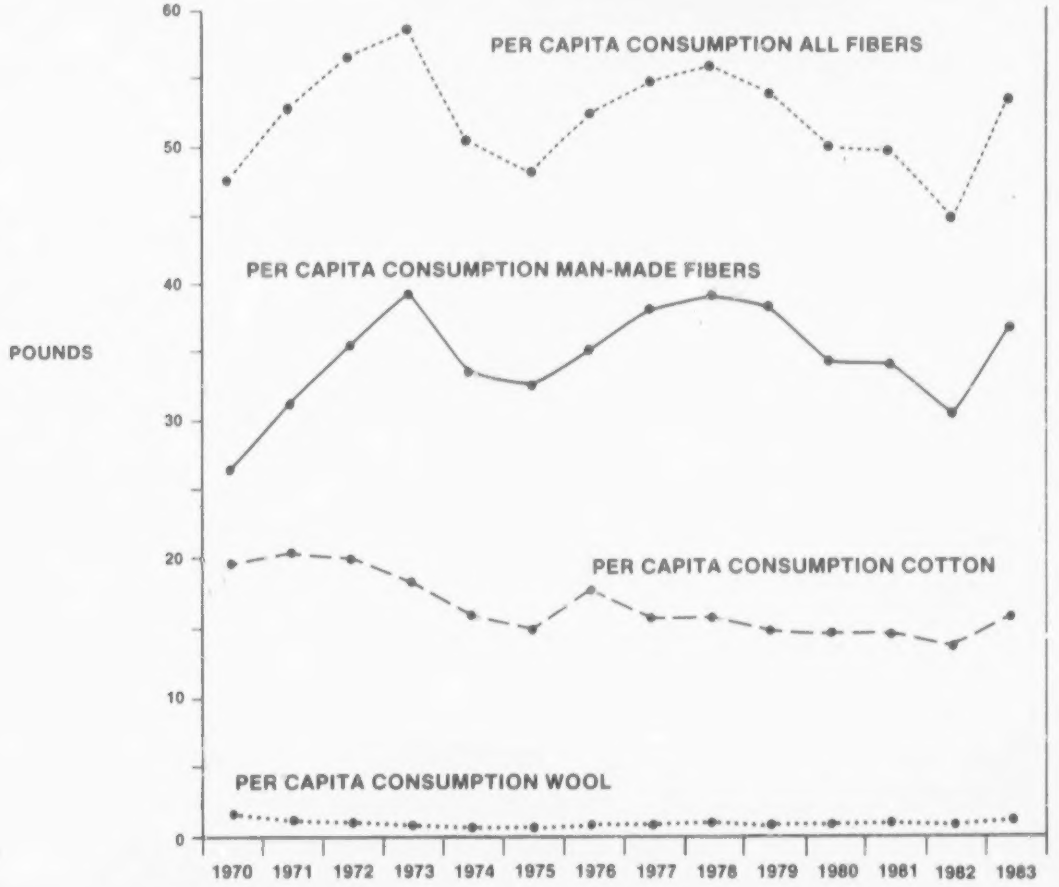


TABLE 1: U.S. POPULATION, GROSS NATIONAL PRODUCT (GOODS PRODUCED)[a] & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION[b]	GNP	PER CAPITA[c]
1970	205.1	486.9	2,374
1971	207.7	497.2	2,394
1972	209.9	529.6	2,523
1973	211.9	572.3	2,701
1974	213.9	562.5	2,630
1975	216.0	547.4	2,534
1976	218.0	587.2	2,694
1977	220.2	628.1	2,852
1978	222.6	662.0	2,974
1979	225.1	677.7	3,011
1980	227.7	668.1	2,934
1981	229.8	692.6	3,014
1982	232.0	661.6	2,852
1983	234.2	687.0	2,933

Source: *1984 Economic Report of the President.*
a. In billions of 1972 dollars.
b. In millions.
c. In dollars.

TABLE 2A: U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION[a] - INCLUDING TEXTILE & NON-TEXTILE GLASS FIBER

POUNDS

PERIOD[b]	POPU-LATION	PER CAPITA MAN-MADE FIBER	COTTON	WOOL	TOTAL
1920-1924	110.2	0.2	23.8	4.0	28.0
1925-1929	118.9	0.7	26.0	3.6	30.3
1930-1934	124.9	1.4	20.5	2.6	24.5
1935-1939	129.1	2.7	24.9	3.4	31.0
1940-1944	135.1	4.7	35.1	4.5	44.3
1945-1949	144.2	6.6	28.0	4.8	39.4
1950-1954	157.6	9.0	26.9	3.8	39.7
1955-1959	171.9	10.3	23.7	3.0	37.0
1960-1964	186.4	12.9	22.6	3.0	38.5
1965-1969	198.6	22.9	23.0	2.5	48.4
1970-1974	209.7	35.1	18.9	1.2	55.2
1975-1979	220.4	39.5	15.6	0.9	56.0
1965	194.2	18.3	23.9	2.9	45.1
1966	196.5	20.2	25.1	2.7	48.0
1967	198.7	21.4	23.5	2.2	47.1
1968	200.7	26.7	21.9	2.4	51.0
1969	202.7	27.9	20.9	2.2	51.0
1970	205.1	27.7	19.7	1.7	49.1
1971	207.7	32.9	20.4	1.3	54.6
1972	209.9	37.5	19.9	1.3	58.7
1973	211.9	41.7	18.3	1.0	61.0
1974	213.9	35.9	16.0	0.7	52.6
1975	216.0	34.7	14.9	0.7	50.3
1976	218.0	37.5	16.9	0.9	55.3
1977	220.2	41.1	15.8	0.9	57.8
1978	222.6	42.4	15.8	1.0	59.2
1979	225.1	41.6	14.8	0.9	57.3
1980	227.7	37.5	14.7	0.9	53.1
1981	229.8	37.9	14.5	1.0	53.4
1982	232.0	33.6	13.5	0.9	48.0
1983	234.2	41.1	15.8	1.2	58.1

a. Based on total U.S. domestic consumption (Mill Consumption plus imports less exports of semimanufactured and manufactured products).
b. Five-year coverages for 1920-1979 and annual data for 1965—1983.

TABLE 2B: U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION - EXCLUDING NON-TEXTILE GLASS FIBER

POUNDS

YEAR	PER CAPITA MAN-MADE FIBER	COTTON	WOOL	TOTAL
1970	26.4	19.7	1.7	47.8
1971	31.3	20.4	1.3	53.0
1972	35.5	19.9	1.3	56.7
1973	39.3	18.3	1.0	58.6
1974	33.7	16.0	0.7	50.4
1975	32.8	14.9	0.7	48.4
1976	35.0	16.9	0.9	52.8
1977	38.1	15.8	0.9	54.8
1978	39.1	15.8	1.0	55.9
1979	38.3	14.8	0.9	54.0
1980	34.4	14.7	0.9	50.0
1981	34.2	14.5	1.0	49.7
1982	30.3	13.5	0.9	44.7
1983	36.6	15.8	1.2	53.6

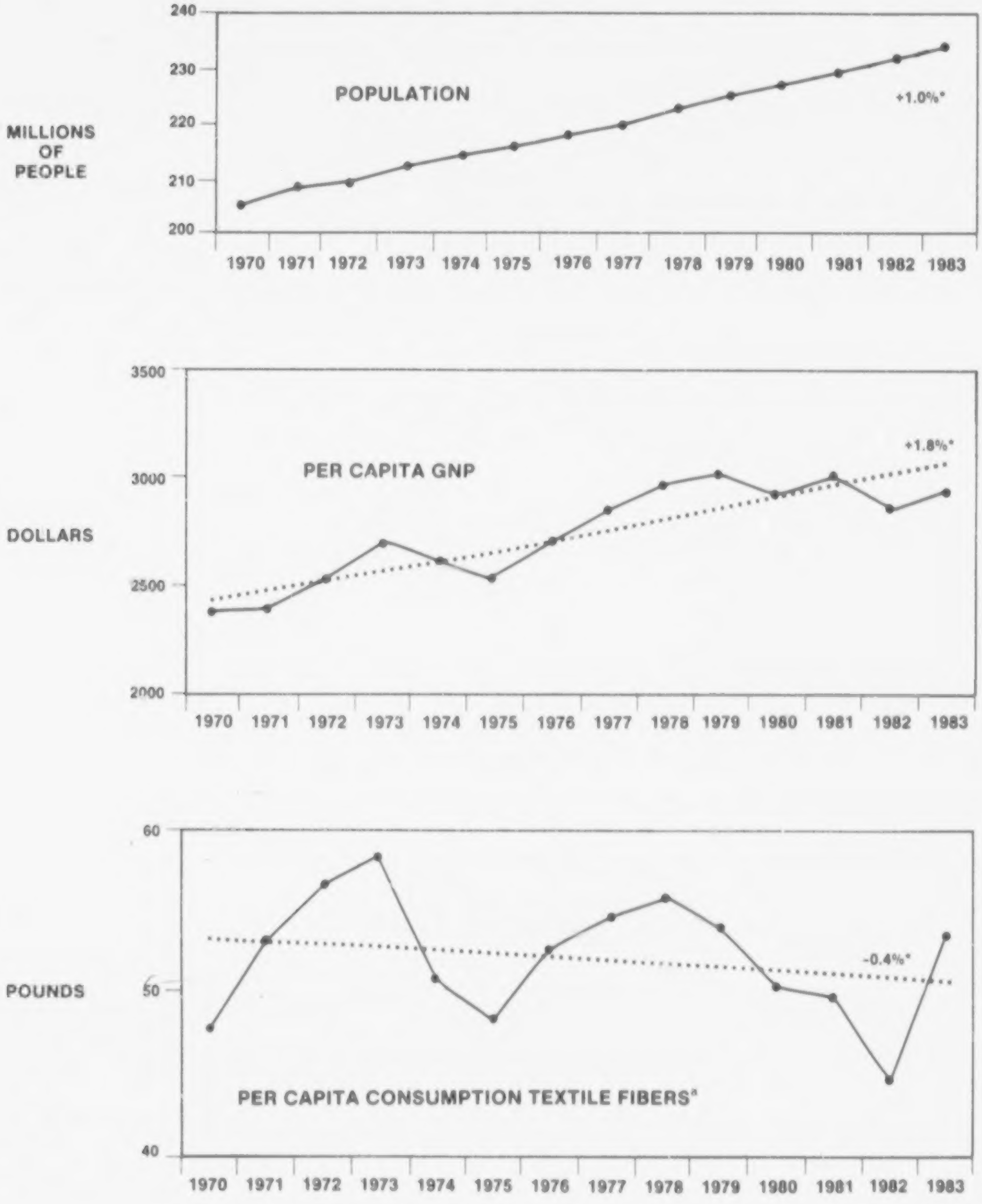
TABLE 3:
DOMESTIC CONSUMPTION OF FIBER & PRODUCTS

MILLION POUNDS

YEAR	MAN-MADE FIBER (Non-Add)[a]	MAN-MADE FIBER[b]	COTTON	WOOL	TOTAL
1970	5683.1	5422.8	4037.5	354.3	9814.6
1971	6833.6	6508.7	4231.3	276.1	11016.1
1972	7868.6	7458.2	4170.1	279.3	11907.6
1973	8841.3	8322.6	3881.6	212.6	12416.8
1974	7678.6	7202.4	3416.3	146.8	10765.5
1975	7494.5	7081.2	3216.3	161.4	10458.9
1976	8179.8	7639.2	3684.4	198.7	11522.3
1977	9050.6	8400.3	3469.7	208.3	12078.3
1978	9428.6	8695.6	3530.1	222.2	12447.9
1979	9374.4	8625.3	3334.5	201.0	12160.8
1980	8529.2	7832.6	3352.2	199.1	11383.9
1981	8704.9	7863.4	3325.4	234.0	11422.8
1982	7788.4	7034.5	3122.7	218.8	10376.0
1983	9616.0	8582.1	3697.4	274.7	12554.2

a. Includes ***both*** textile and non-textile types of glass fiber.
b. Includes ***only*** textile glass fiber.

GRAPH 2: COMPARISON OF POPULATION, GNP & PER CAPITA CONSUMPTION OF TEXTILE FIBERS



a. Man-made fiber (excluding non-textile glass fiber) cotton & wool.
* Least Square Trend Line Growth Rate.

TABLE 4: MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	GLASS[d]	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.1	3.8	0.3	9.2
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.1	4.0	0.2	10.3
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.2	3.9	0.2	11.3
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.2	3.6	0.2	12.0
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.2	3.3	0.1	10.7
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.1	3.1	0.1	10.2
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.1	3.4	0.1	11.0
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.1	3.2	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.2	3.0	0.1	11.7
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.2	3.1	0.1	12.0
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.2	3.1	0.1	11.3
1981	0.5	0.2	2.2	3.5	0.5	0.8	0.1	2.7	0.2	10.7
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.1	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.5	0.5	0.9	0.2	2.8	0.2	11.1

a. Includes triacetate. Cigarette tow is excluded.
b. Includes aramid for all years but 1983.
c. Includes modacrylic.
d. Includes only glass fibers for Textile End Uses.

TABLE 5: PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP (Goods Produced) AND PER CAPITA CONSUMPTION OF MAN-MADE FIBER[c], COTTON & WOOL

1970-1983

YEAR	POPULATION	%[a]	%[b]	PER CAPITA GNP	%[a]	%[b]	PER CAPITA CONSUMPTION MAN-MADE FIBER	%[a]	%[b]	PER CAPITA CONSUMPTION COTTON	%[a]	%[b]	PER CAPITA CONSUMPTION WOOL	%[a]	%[b]	PER CAPITA CONSUMPTION ALL FIBERS	%[a]	%[b]
1970	205.1	--	--	2,374	--	--	26.4	--	--	19.7	--	--	1.7	--	--	47.8	--	--
1971	207.7	+1.3	+1.3	2,394	+0.8	+0.8	31.3	+18.6	+18.6	20.4	+3.5	+3.5	1.3	-23.5	-23.5	53.0	+10.9	+10.9
1972	209.9	+1.1	+2.3	2,523	+5.4	+6.3	35.5	+13.4	+34.5	19.9	-2.5	+1.0	1.3	--	-23.5	56.7	+7.0	+18.6
1973	211.9	+0.9	+3.3	2,701	+7.0	+13.8	39.3	+10.7	+48.9	18.3	-8.0	-7.1	1.0	-23.1	-41.2	58.6	+3.4	+22.6
1974	213.9	+0.9	+4.3	2,630	-2.6	+10.8	33.7	-14.2	+27.7	16.0	-12.6	-18.8	0.7	-30.0	-58.8	50.4	-14.0	+5.4
1975	216.0	+1.0	+5.3	2,534	-3.7	+6.7	32.8	-2.7	+24.2	14.9	-6.9	-24.4	0.7	--	-58.8	48.4	-4.0	+1.3
1976	218.0	+0.9	+6.3	2,694	+6.3	+13.5	35.0	+6.7	+32.6	16.9	+13.4	-14.2	0.9	+28.6	47.1	52.8	+9.1	+10.5
1977	220.2	+1.0	+7.4	2,852	+5.9	+20.1	38.1	+8.9	+44.3	15.8	-6.5	-19.8	0.9	--	-47.1	54.8	+3.8	+14.6
1978	222.6	+1.1	+8.5	2,974	+4.3	+25.3	39.1	+2.6	+48.1	15.8	--	19.8	1.0	+11.1	-41.2	55.9	+2.0	+16.9
1979	225.1	+1.1	+9.7	3,011	+1.2	+26.8	38.3	-2.0	+45.1	14.8	-6.3	-24.9	0.9	-10.0	-47.1	54.0	-3.4	+13.0
1980	227.7	+1.1	+11.0	2,934	-2.6	+23.6	34.4	-10.2	+30.3	14.7	-0.7	-25.4	0.9	--	-47.1	50.0	-7.4	+4.6
1981	229.8	+0.9	+12.0	3,014	+2.7	+27.0	34.2	-0.6	+29.5	14.5	-1.4	-26.4	1.0	+11.1	-41.2	49.7	-0.6	+4.0
1982	232.0	+1.0	+13.1	2,852	-5.4	+20.1	30.3	-11.4	+14.8	13.5	-6.9	-31.5	0.9	-10.0	-47.1	44.7	-10.1	-6.5
1983	234.2	+0.9	+14.2	2,933	+2.8	+23.5	36.6	+20.8	+38.6	15.8	+17.0	-19.8	1.2	+33.3	-29.4	53.6	+19.9	+12.1

Population is in millions of people.
Per Capita GNP is in dollars.
All other Per Capita Consumption data are in pounds.
All data are taken from the tables on page 68.

a. Percent change year to year.
b. Percent change since 1970.
c. Man-made fiber data exclude non-textile glass fiber.

TABLE 6: RAW FIBER EQUIVALENT OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	MAN-MADE FIBER						COTTON						WOOL					
	1978	1979	1980	1981	1982	1983	1978	1979	1980	1981	1982	1983	1978	1979	1980	1981	1982	1983
IMPORTS																		
SEMIMANUFACTURED PRODUCTS																		
YARN, THREAD, ETC.	59.7	37.5	30.2	34.9	38.2	58.0	30.8	12.4	19.4	24.1	28.5	42.1	6.1	4.2	4.2	5.0	7.7	7.6
CLOTH	109.6	81.6	81.4	106.2	105.7	138.0	299.9	236.7	258.4	350.3	266.5	346.3	25.8	21.7	21.1	27.8	25.6	28.1
SUBTOTAL	169.3	119.1	111.6	141.1	143.9	196.0	330.7	249.1	277.8	374.4	295.0	388.4	31.9	25.9	25.3	32.8	33.3	35.7
MANUFACTURED PRODUCTS																		
WEARING APPAREL	425.6	359.8	378.6	437.1	486.5	576.0	430.2	426.3	463.8	504.0	510.5	622.8	44.9	39.2	41.7	40.9	46.4	58.8
INDUSTRIAL	0.1	0.1	0.1	0.3	1.1	1.3	6.7	5.6	10.1	8.8	10.0	14.3	NOMINAL POUNDAGES INCLUDED IN OTHER					
HOME FURNISHINGS ALL OTHER	47.6	46.0	50.3	60.6	66.5	115.6	57.7	44.4	45.4	59.5	67.0	78.0	14.5	14.4	17.3	18.5	19.6	34.8
							20.1	20.7	13.8	15.2	14.7	17.8	0.9	1.1	0.8	0.9	0.8	2.6
SUBTOTAL	473.3	405.9	429.0	498.0	554.1	692.9	514.7	497.0	533.1	587.5	602.2	732.9	60.3	54.7	59.8	60.3	66.8	96.2
TOTAL IMPORTS	642.6	525.0	540.6	639.1	698.0	888.9	845.4	746.1	810.9	961.9	897.2	1121.3	92.2	80.6	85.1	93.1	100.1	131.9

All of these data are taken from the table on page 39, March/April 1984 *Textile Organon*.

TABLE 7: PER CAPITA CONSUMPTION OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES AS COMPARED TO PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL

POUNDS & Percent

YEAR	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MAN-MADE FIBER					COTTON					WOOL					MAN-MADE FIBER	%[a]	COTTON	%[a]	WOOL	%[a]
	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]						
1978	2.9	--	1.9	--	65.5	3.8	--	1.9	--	50.0	0.4	--	0.2	--	50.0	39.1	--	15.8	--	1.0	--
1979	2.3	-20.7	1.6	-15.8	69.6	3.3	-13.2	1.9	--	57.6	0.4	--	0.2	--	50.0	38.3	-2.0	14.8	-6.3	0.9	-10.0
1980	2.4	+4.3	1.7	+6.2	70.8	3.6	+9.1	2.0	+5.3	55.5	0.4	--	0.2	--	50.0	34.4	-10.2	14.7	-0.7	0.9	--
1981	2.8	+16.7	1.9	+11.8	67.9	4.2	+16.7	2.2	+10.0	52.4	0.4	--	0.2	--	50.0	34.2	-0.6	14.5	-1.4	1.0	+11.1
1982	3.0	+7.1	2.1	+10.5	70.0	3.9	-7.1	2.2	--	56.4	0.4	--	0.2	--	50.0	30.3	-11.4	13.5	-6.9	0.9	-10.0
1983	3.8	+26.7	2.5	+19.0	65.8	4.8	+23.1	2.7	+22.7	56.3	0.6	+50.0	0.3	+50.0	50.0	36.6	+20.8	15.8	+17.0	1.2	+33.3

-- Means no change.

a. Percent change from previous year.

b. Percent of total imports of semimanufactured & manufactured products.

MAY 1984 CAPACITY SURVEY ANALYSIS

Capacity Utilization Rises

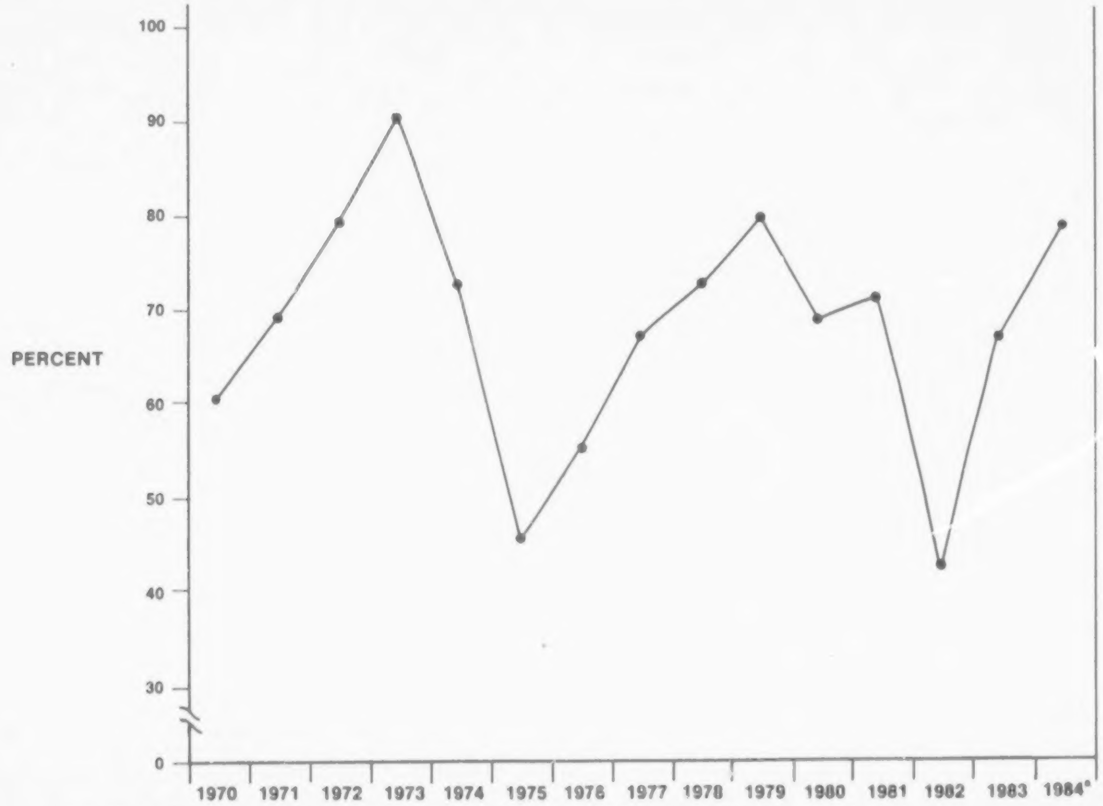
Capacity utilization rates rose dramatically for the first four months of 1984. Based on annualized January-April production data and May 1984 Capacity Survey results, the capacity utilization rate for the U.S. man-made fiber industry stood at 79.3%, as compared to 78.7% in 1983 (Graph 3).

Even though utilization rates rose, total industry capacity rose 1.8% to 11,974 million pounds. Due to growth in polyester and olefin+vinyon, noncellulosic staple+tow capacity increased sharply from 4,827 million pounds as of the November 1983 ***Organon*** Capacity Survey, to 4,933 million pounds (Table 8B).

Since November 1983, the filament yarn capacity grew from 4,477 to 4,518 million pounds with major increases in nylon carpet and olefin (Table 8B).

With this most current Survey, the gap between noncellulosic staple+tow and noncellulosic filament yarn capacity continued to widen. Since 1981, when staple+tow capacity surpassed filament yarn capacity, the gap has grown from 184 million pounds to 415 million pounds. In fact, projected capacity levels indicate that by May 1985 the gap will stand at 509 million pounds (Graph 4).

GRAPH 3: INDUSTRY CAPACITY UTILIZATION



a. Utilization based on May 1984 capacity survey and annualized January-April production data.

TABLE 8A: U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

	CELLULOSIC FIBERS								NONCELLULOSIC FIBERS[a]				GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW										
		ACETATE[b]													
PERIOD	RAYON	LBS	*DENIER*	TOTAL	RAYON	ACE-TATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	TEXTILE GLASS TOTAL[c]	YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	867	4967	4598	9565
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
1982	33	195		228	355	1	356	584	3057	3403	6460	899	4184	3759	7943
1983	26	228		254	375	1	376	630	3568	3970	7538	1169	4991	4346	9337
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	*NA*	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	*NA*	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	*NA*	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	*NA*	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	*NA*	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	*NA*	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	*NA*	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	*89*	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	*87*	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	*89*	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	*88*	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	*95*	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
NOV 1982[e]	63	318	*96*	381	510	4	514	895	4583	4781	9364	1718	6682	5295	11977
NOV 1983[e]	63	268	*95*	331	510	4	514	845	4477	4827	9304	1618	6426	5341	11767
MAY 1984[e]	63	268	*95*	331	510	4	514	845	4552	4996	9548	1753	6636	5510	12146
NOV 1984[f]	63	268	*95*	331	510	4	514	845	4518	4933	9451	1676	6527	5447	11974
MAY 1985[f]	63	268	*95*	331	510	4	514	845	4581	5049	9630	1813	6725	5563	12288
NOV 1985[f]	63	268	*95*	331	510	4	514	845	4601	5112	9713	1838	6770	5626	12496
MAY 1985[f]	63	268	*95*	331	510	4	514	845	4627	5136	9763	1840	6798	5650	12448

a. Included are those listed in the November ***Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Textile glass fiber, all types.

d. Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of MAY 1984.

Footnotes for Table 8B (page 74).

Note: As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.

NA means not available.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets; **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain & dates as of May 1984.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table on page 74 cover the man made fibers in all their primary forms, i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The textile glass data are included with the filament yarn totals. The "capacity" to produce waste is ***not*** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to ***current*** and ***planned*** capacity. ***They are not to be interpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect ***potential***, rather than ***operating***, capacity.

TABLE 8B: NONCELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]			OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON	TOTAL	
	IND	CARP	TEXTILE LBS	TEXTILE DEN	IND	TEXTILE LBS	TEXTILE DEN	YARN	MONO[b]	FILM[b]								
NOV 1970[d]	480	428	569	*NA*	294	316	*NA*	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971[d]	463	531	522	*NA*	337	559	*NA*	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972[d]	469	626	559	*NA*	364	892	*NA*	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973[d]	466	707	534	*NA*	385	1118	*NA*	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	*NA*	403	1351	*NA*	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975[d]	503	786	553	*NA*	391	1576	*NA*	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979[d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980[d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981[d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982[d]	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983[d]	440	907	494	*52*	337	1170	*122*	240	375	484	30	4477	1017	826	2704	280	4827	9304
MAY 1984[d]	437	926	498	*52*	339	1170	*123*	257	377	484	30	4518	1044	805	2784	300	4933	9451
NOV 1984[e]	437	931	487	*53*	344	1165	*123*	276	378	484	30	4532	1064	807	2784	317	4972	9504
MAY 1985[e]	438	960	498	*53*	345	1162	*123*	284	380	484	30	4581	1090	808	2804	347	5049	9630
NOV 1985[e]	438	965	498	*53*	355	1162	*123*	282	382	489	30	4601	1127	809	2804	372	5112	9713
MAY 1986[e]	438	975	499	*53*	360	1168	*123*	286	382	489	30	4627	1142	810	2804	380	5136	9763

Note: See page 73 for footnotes.

GRAPH 4: NONCELLULOSIC YARN+MONOFILAMENT CAPACITY VS. STAPLE+TOW CAPACITY

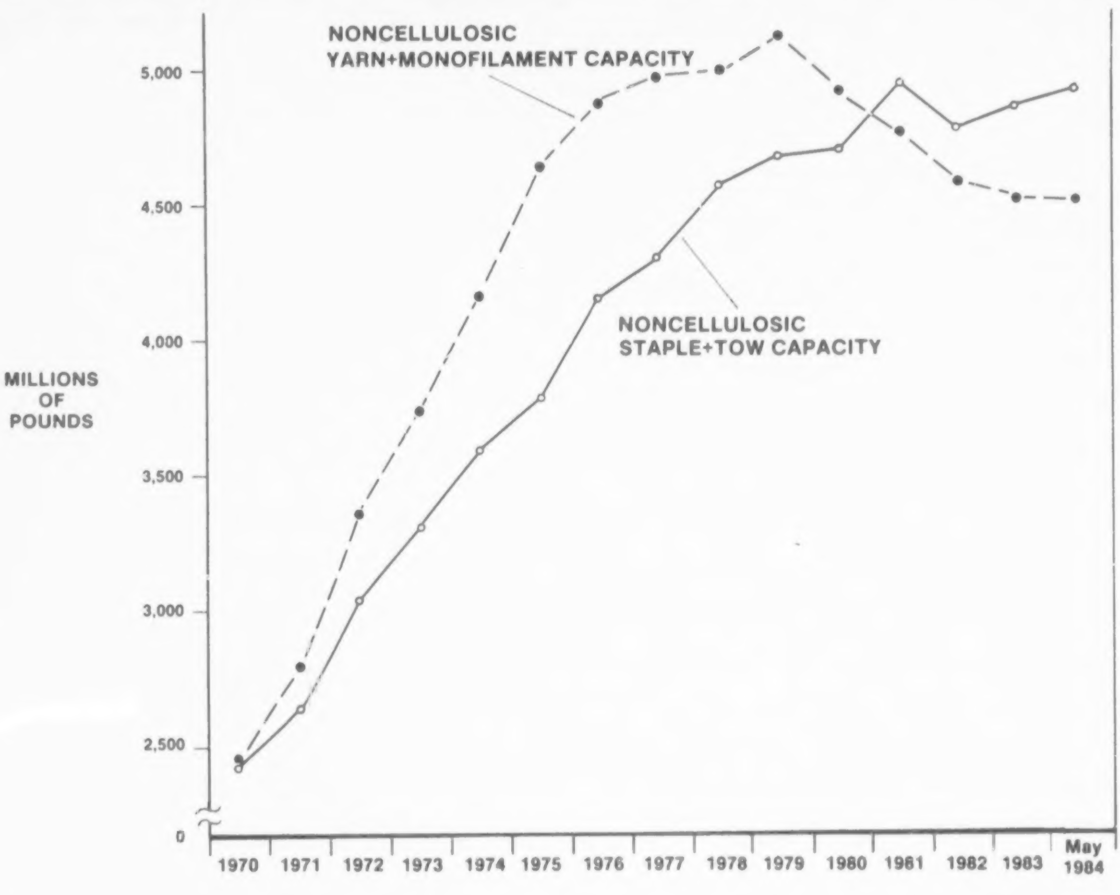


TABLE 9: U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1983					1984				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	74	103	16	46	239	25				
OTHER[b]	310.0026	5019	3332	3803	3342	15496	4302				
MONOFILAMENTS	309.0110	11	4	5	23	43	0				
STRIPS	309.2210	0	12	5	23	40	56				
SUBTOTAL ABOVE		**5104**	**3451**	**3829**	**3434**	**15818**	**4383**				
STAPLE+TOW - RAYON	309.4222	7979	17999	8811	5329	40118	15469				
STAPLE - ACETATE	309.4219	593	688	417	1395	3093	629				
SUBTOTAL ABOVE		**8572**	**18687**	**9228**	**6724**	**43211**	**16098**				
WASTE, ADVANCED & NOT ADVANCED	309.7400	361	161	239	602	1363	859				
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	310.0008 & .0009	10913	10917	9730	8448	40008	10514				
- HIGH TENACITY[c]	310.0027	14240	14383	12544	14439	55606	15939				
- OTHER	310.0029	3587	3825	3932	4236	15580	4063				
POLYESTER - TEXTURED	310.0010	22202	18265	12050	11523	64040	14324				
- HIGH TENACITY[c]	310.0032	3369	3541	3191	2136	12237	2775				
- OTHER[d]	310.0034	1123	885	728	977	3713	1479				
OTHER - TEXTURED	310.0014	3147	3370	3445	2669	12631	1588				
- OLEFIN	310.0040	246	161	168	231	806	94				
- OTHER	310.0044	715	1407	725	763	3610	1444				
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	797	378	439	736	2350	630				
POLYESTER[e]	309.0140	540	769	871	745	2925	791				
OTHER	309.0170	2501	2612	2146	2671	9930	2990				
STRIPS	309.2220 & .2270	1047	802	575	818	3242	1094				
SUBTOTAL ABOVE		**64427**	**61315**	**50544**	**50392**	**226678**	**57725**				
STAPLE - NYLON	309.4240	3438	2806	3115	4159	13518	4222				
- POLYESTER	309.4242	30316	33213	13408	24318	101255	29077				
- ACRYLIC	309.4245	32262	31589	25346	25188	114385	37885				
- OLEFIN	309.4246	845	1033	961	859	3698	769				
- OTHER	309.4247	3446	3409	2050	3069	11974	2552				
GROUPED FILAMENTS											
NYLON	309.3220	691	1136	822	776	3425	1067				
POLYESTER[d]	309.3240	9453	6876	5731	6830	28890	10322				
ACRYLIC	309.3250 & .3255	8204	8701	8994	8722	34621	8645				
SUBTOTAL ABOVE		**88655**	**88763**	**60427**	**73921**	**311766**	**94539**				
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	1737	2649	3424	4031	11841	3106				
POLYESTER	309.7630	11042	10247	8456	10728	40473	11394				
ACRYLIC	309.7640	276	404	600	745	2025	1166				
OTHER	309.7660	4930	3048	4151	4813	16942	3993				
SUBTOTAL ABOVE		**17985**	**16348**	**16631**	**20317**	**71281**	**19659**				
TOTAL MAN-MADE FIBER ABOVE		**185104**	**188725**	**140898**	**155390**	**670117**	**193263**				
TEXTILE GLASS FIBER	309.2700 & .9700	10333	8804	9860	10416	39413	11531				
GRAND TOTAL ABOVE		**195437**	**197529**	**150758**	**165806**	**709530**	**204794**				

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

Continued from page 67.

Table 5: Percentage change and relative growth over time of population, per capita GNP and per capita consumption of the various textile fibers.

Table 6: Summary of imports of semi-manufactured and manufactured products.

Table 7: Listing of aforementioned imports in per capita terms and their percentage growth over time in relation to overall per capita domestic consumption.

Graph 1: Per capita consumption of all fibers as taken from the data in Table 2B.

Graph 2: Growth in population and per capita GNP since 1970 in relation to the declining trend of per capita GNP data are taken from Table 1, while the per capita fiber consumption data are taken from Table 2B.

TABLE 10: QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

	1982					1983					1984				
ITEM	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
	YARN+MONOFILAMENTS[a]														
ACETATE															
PRODUCTION	**52.9**	**53.0**	**46.1**	**43.2**	**195.2**	**50.3**	**62.2**	**61.3**	**53.8**	**227.6**	**55.2**				
SHIPMENTS - DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1	53.9	51.0	48.6	197.6	48.7				
- EXPORT	8.8	6.2	8.5	6.3	29.8	7.1	5.9	8.4	6.8	28.2	5.8				
TOTAL SHIPMENTS	**53.7**	**53.3**	**48.0**	**43.8**	**198.8**	**51.2**	**59.8**	**59.4**	**55.4**	**225.8**	**54.5**				
ENDING STOCK	**13.5**	**13.2**	**11.3**	**10.7**		**9.8**	**12.2**	**14.1**	**12.5**		**13.2**				
NYLON[b]															
PRODUCTION	**299.9**	**309.0**	**312.1**	**320.6**	**1241.6**	**311.5**	**375.6**	**392.3**	**412.8**	**1492.2**	**400.9**				
SHIPMENTS - DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0	359.1	358.4	379.9	1392.4	365.1				
- EXPORT	26.8	23.8	26.0	25.5	102.1	25.4	27.0	27.3	25.5	105.2	29.9				
TOTAL SHIPMENTS	**308.4**	**320.3**	**318.7**	**320.3**	**1267.7**	**320.4**	**386.1**	**385.7**	**405.4**	**1497.6**	**395.0**				
ENDING STOCK	**143.8**	**132.5**	**125.9**	**126.2**		**117.3**	**106.8**	**113.4**	**120.8**		**126.7**				
OLEFIN[c]															
PRODUCTION	**154.3**	**146.9**	**142.6**	**141.4**	**585.2**	**166.8**	**186.9**	**183.4**	**179.0**	**716.1**	**178.0**				
SHIPMENTS - DOMESTIC	146.8	145.0	144.5	140.7	577.0	160.6	184.2	182.1	171.7	698.6	169.3				
- EXPORT	4.7	3.3	3.1	4.2	15.3	3.9	4.2	3.5	4.0	15.6	4.3				
TOTAL SHIPMENTS	**151.5**	**148.3**	**147.6**	**144.9**	**592.3**	**164.5**	**188.4**	**185.6**	**175.7**	**714.2**	**173.6**				
ENDING STOCK	**64.5**	**63.1**	**58.1**	**54.6**		**56.9**	**55.4**	**53.2**	**56.5**		**60.9**				
POLYESTER															
PRODUCTION	**331.5**	**318.1**	**280.5**	**283.5**	**1213.6**	**322.8**	**361.5**	**327.6**	**347.6**	**1359.5**	**318.8**				
SHIPMENTS - DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3	342.6	307.2	338.3	1294.4	291.9				
- EXPORT	34.9	35.8	19.2	12.9	102.8	19.6	17.5	13.9	15.5	66.5	14.1				
TOTAL SHIPMENTS	**332.1**	**328.3**	**286.2**	**291.0**	**1237.6**	**325.9**	**360.1**	**321.1**	**353.8**	**1360.9**	**306.0**				
ENDING STOCK	**122.4**	**112.2**	**106.5**	**99.0**		**95.9**	**97.3**	**103.8**	**97.6**		**110.4**				
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**785.7**	**774.0**	**735.2**	**745.5**	**3040.4**	**801.1**	**924.0**	**903.3**	**939.4**	**3567.8**	**897.7**				
SHIPMENTS - DOMESTIC	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	889.9	3385.4	826.3				
- EXPORT	66.4	62.9	48.3	42.6	220.2	48.9	48.7	44.7	45.0	187.3	48.3				
TOTAL SHIPMENTS	**792.0**	**796.9**	**752.5**	**756.2**	**3097.6**	**810.8**	**934.6**	**892.4**	**934.9**	**3572.7**	**874.6**				
ENDING STOCK	**330.7**	**307.8**	**290.5**	**279.8**		**270.1**	**259.5**	**270.4**	**274.9**		**298.0**				
DOMESTIC SHIPMENTS	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	889.9	3385.4	826.3				
IMPORTS - TEXTURED YARN[d]	2.0	3.1	3.7	6.1	14.9	4.7	5.3	5.7	7.3	23.0	12.4				
- OTHER YARN[d]	2.8	2.6	4.1	3.9	13.4	6.6	7.5	7.7	11.4	33.2	12.9				
- MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4	0.4	0.4	0.5	1.7	1.0				
TOTAL IMPORTS	5.2	6.1	8.2	10.3	29.8	11.7	13.2	13.8	19.2	57.9	26.3				
TOTAL AVAILABLE	**730.8**	**740.1**	**712.4**	**723.9**	**2907.2**	**773.6**	**899.1**	**861.5**	**909.1**	**3443.3**	**852.6**				
	TEXTILE GLASS FIBER														
PRODUCTION	**207.6**	**209.8**	**241.0**	**240.8**	**899.2**	**245.1**	**273.1**	**313.2**	**335.8**	**1167.2**	**333.2**				
SHIPMENTS - DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6	294.4	301.9	303.2	1146.1	305.0				
- EXPORT	11.5	10.3	11.2	9.9	42.9	8.4	8.7	9.7	10.6	37.4	11.7				
TOTAL SHIPMENTS	**202.0**	**225.1**	**239.0**	**238.3**	**904.4**	**255.0**	**303.1**	**311.6**	**313.8**	**1183.5**	**316.7**				
ENDING STOCK	**151.8**	**136.5**	**138.5**	**141.0**		**131.1**	**101.1**	**102.7**	**124.7**		**141.2**				
IMPORTS	3.8	3.2	3.7	3.4	14.1	4.8	5.3	4.2	5.7	20.0	7.8				
TOTAL AVAILABLE	**194.3**	**218.0**	**231.5**	**231.8**	**875.6**	**251.4**	**299.7**	**306.1**	**308.9**	**1166.1**	**312.8**				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means not available at press time.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only, see pages 36 & 37 of the March 1983 issue for further details on these yarns.

b. Includes Aramid in 1982.

c. Also include film fiber as well as spunbonded polypropylene.

d. Include singles and plied.

e. Acetate staple+tow data are available annually only, see pages 36 & 37 of the March 1983 issue for further details.

f. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

TABLE 11: QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							STAPLE+TOW[a]								
RAYON															
PRODUCTION	96.2	86.7	87.8	84.3	355.0	92.6	92.1	92.1	98.0	374.8	104.0				
SHIPMENTS - DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5	90.7				
- EXPORT	13.4	16.8	15.3	21.0	66.5	6.9	11.7	15.1	10.2	43.9	11.3				
TOTAL SHIPMENTS	91.0	86.6	87.4	95.2	360.2	87.0	94.7	99.7	96.0	377.4	102.0				
ENDING STOCK	36.3	36.4	36.8	25.9		31.5	28.9	21.3	23.3		25.3				
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5	90.7				
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1	3.9	3.3	3.5	12.8	4.4				
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2	0.2	0.2	0.3	0.9	0.4				
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3	4.1	3.5	3.8	13.7	4.8				
TOTAL AVAILABLE	81.4	72.6	76.2	76.9	307.1	82.4	87.1	88.1	89.6	347.2	95.5				
NYLON[b]															
PRODUCTION	140.5	169.3	191.1	184.1	685.0	196.4	234.9	252.4	242.7	926.4	220.9				
SHIPMENTS - DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0	243.5	236.2	221.4	897.1	211.1				
- EXPORT	4.1	4.2	3.1	5.2	16.6	3.3	3.7	3.0	4.1	14.1	5.6				
TOTAL SHIPMENTS	146.0	175.0	188.9	180.0	689.9	199.3	247.2	239.2	225.5	911.2	216.7				
ENDING STOCK	59.3	53.6	55.8	59.9		57.0	44.7	57.9	75.1		79.3				
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6	7.6	6.1	8.4	27.7	7.9				
TOTAL AVAILABLE	142.9	171.5	190.8	179.6	684.8	201.6	251.1	242.3	229.8	924.8	219.0				
ACRYLIC+MODACRYLIC															
PRODUCTION	149.6	171.1	158.5	144.9	624.1	160.4	178.4	168.8	162.9	670.5	171.7				
SHIPMENTS - DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1	129.3	127.9	114.9	492.2	120.6				
- EXPORT	46.4	41.5	42.7	43.7	174.3	41.3	44.9	35.3	41.0	162.5	48.5				
TOTAL SHIPMENTS	154.5	169.4	156.3	152.0	632.2	161.4	174.2	163.2	155.9	654.7	169.1				
ENDING STOCK	60.2	61.9	64.1	57.0		56.0	60.2	65.8	72.8		75.4				
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3	3.9	4.0	3.4	13.6	3.3				
TOTAL AVAILABLE	110.1	129.2	115.3	111.2	465.8	122.4	133.2	131.9	118.3	505.8	123.9				
OLEFIN+VINYON															
PRODUCTION	35.8	30.8	37.6	34.0	138.2	37.9	42.9	49.9	58.9	189.6	57.3				
SHIPMENTS - DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7	44.1	45.1	54.5	183.4	53.7				
- EXPORT	0.6	0.6	1.6	2.1	4.9	0.7	1.9	2.6	1.1	6.3	3.8				
TOTAL SHIPMENTS	29.9	40.5	38.0	35.4	143.8	40.4	46.0	47.7	55.6	189.7	57.5				
ENDING STOCK	31.6	21.9	21.5	20.1		17.6	14.5	16.7	20.0		19.8				
POLYESTER															
PRODUCTION	538.7	459.6	447.4	509.5	1955.2	492.0	559.3	561.7	571.1	2184.1	561.6				
SHIPMENTS - DOMESTIC	437.3	445.3	428.9	456.0	1767.5	487.6	540.4	538.1	533.1	2099.2	514.2				
- EXPORT	86.4	28.3	25.8	33.6	174.1	30.1	22.4	21.8	24.3	98.6	32.8				
TOTAL SHIPMENTS	523.7	473.6	454.7	489.6	1941.6	517.7	562.8	559.9	557.4	2197.8	547.0				
ENDING STOCK	189.2	175.2	167.9	187.8		162.1	158.6	160.4	174.1		188.7				
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8	2.1	4.1	12.5	21.5	7.8				
TOTAL AVAILABLE	439.2	447.0	430.7	457.9	1774.8	490.4	542.5	542.2	545.6	2120.7	522.0				
TOTAL NONCELLULOSIC															
PRODUCTION	864.6	830.8	834.6	872.5	3402.5	886.7	1015.5	1032.8	1035.6	3970.6	1011.5				
SHIPMENTS - DOMESTIC	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	923.9	3671.9	889.6				
- EXPORT	137.5	74.6	73.2	84.6	369.9	75.4	72.9	62.7	70.5	281.5	90.7				
TOTAL SHIPMENTS	854.1	858.5	837.9	857.0	3407.5	918.8	1030.2	1010.0	994.4	3953.4	990.3				
ENDING STOCK	340.3	312.6	309.3	324.8		292.7	278.0	300.8	342.0		363.2				
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	923.9	3671.9	899.6				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[f]	4.9	3.7	8.5	9.6	26.7	10.7	13.6	14.2	24.3	62.8	19.0				
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7	2.5	1.5	3.6	10.3	4.6				
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4	8.1	6.1	8.9	28.5	11.0				
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8	24.2	21.8	36.8	101.6	34.6				
TOTAL AVAILABLE	726.2	794.5	780.1	788.0	3088.8	862.2	981.5	969.1	960.7	3773.5	934.2				

See footnotes on opposite page.

TABLE 12: SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1984						3 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	1984	1983
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	55	5	0				60	60
CANADA	42	12	327				381	637
MEXICO	163	120	55				338	141
AUSTRIA	0	0	0				0	549
GERMANY, FED. REP. OF	714	327	396				1437	330
NETHERLANDS	28	40	40				108	125
UNITED KINGDOM	0	0	+				+	10
JAPAN	74	86	62				222	84
REP. OF KOREA	60	0	40				100	40
ALL OTHER COUNTRIES[a]	0	1	43				44	51
TOTAL CELL. YARN	**1136**	**591**	**963**				**2690**	**2027**
CELLULOSIC STAPLE+TOW								
CANADA	803	884	919				2606	1013
AUSTRIA	390	70	219				679	253
FRANCE	16	18	7				41	56
SWEDEN	164	432	190				786	400
UNITED KINGDOM	225	81	42				348	66
JAPAN	116	47	162				325	459
TAIWAN	0	0	0				0	27
ALL OTHER COUNTRIES[b]	0	+	0				+	1
TOTAL CELL. STAPLE	**1714**	**1532**	**1539**				**4785**	**2275**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	1284	1467	1745				4496	1912
MEXICO	1317	1796	1574				4687	727
FRANCE	224	222	104				550	532
GERMANY, FED. REP. OF	846	1097	2010				3953	1607
ITALY	199	569	390				1158	136
NETHERLANDS	54	95	26				175	46
SPAIN	95	225	2				322	276
SWITZERLAND	17	101	71				189	243
UNITED KINGDOM	531	89	366				986	653
ISRAEL	111	72	84				267	436
JAPAN	1131	1338	1660				4129	2302
REP. OF KOREA	42	55	37				134	16
TAIWAN	122	+	60				182	87
SOUTH AFRICA	347	563	112				1022	0
ALL OTHER COUNTRIES[c]	231	233	75				539	91
TOTAL N.C. YARN	**6551**	**7922**	**8316**				**22789**	**9064**
NONCELLULOSIC STAPLE+TOW								
CANADA	1028	1102	1219				3349	1169
COSTA RICA	155	354	237				746	0
MEXICO	2812	2217	1451				6480	2109
BELGIUM	32	61	38				131	80
FRANCE	483	507	834				1824	2277
GERMANY, FED. REP. OF	1965	1587	2599				6151	4127
ITALY	1182	791	1234				3207	2947
NETHERLANDS	88	140	76				304	87
SWITZERLAND	22	+	113				135	0
UNITED KINGDOM	1306	1060	1711				4077	1785
AUSTRALIA	0	24	0				24	91
ISRAEL	45	28	0				73	112
JAPAN	1334	926	1361				3621	2620
REP. OF KOREA	0	40	62				102	40
TAIWAN	826	471	1576				2873	1354
ROMANIA	138	98	299				535	0
SOUTH AFRICA	0	213	0				213	0
ALL OTHER COUNTRIES[d]	394	88	278				760	7
TOTAL N.C. STAPLE	**11810**	**9707**	**13088**				**34605**	**18805**

Other countries supplying 1984 poundages are:

a. Italy 1, France 22 and Switzerland 21.

b. Federal Republic of Germany +.

c. Australia 43, Austria 96, Belgium 62, Brazil 99, Denmark 1, India +, Norway 27, Portugal 1, Romania 197 and Sweden 13.

d. Austria 30, Brazil 416, Denmark 18, Honduras 75, Hong Kong 2, Poland 13, Portugal 41, Spain 25, Sweden 61 and Turkey 79.

TABLE 13: U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1984						3 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1984	1983
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	0	0	38				38	206
OTHER	310.0130 & .0230[a]	1136	585	880				2601	1806
MONOFILAMENTS	309.0310 & .0610	0	0	0				0	0
STRIPS, $1/LB & UNDER	309.2000*	0	6	45				51	15
SUBTOTAL ABOVE		**1136**	**591**	**963**				**2690**	**2027**
STAPLE	309.4320 & .4325	1517	1483	1365				4365	2111
GROUPED FILAMENTS	309.3010 & .3110	197	49	174				420	164
SUBTOTAL ABOVE		**1714**		**1539**				**4785**	**2275**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	40	69	6				115	82
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	1064	1571	1615				4250	893
- POLYESTER	310.0110 & .0210	821	1167	834				2822	120
- OTHER	310.0114 & .0214	651	604	649				1904	1891
OTHER - NYLON	310.0149 & .0249	2022	2221	2918				7161	2386
- POLYESTER	310.0150 & .0250	1328	1658	1618				4604	2597
- OTHER	310.0170 & .0270[b]	202	274	310				786	670
MONOFILAMENTS	309.0200 & .0330[c]	383	325	282				990	407
STRIPS, OVER $1/LB	309.2100 & .2500*	80	102	90				272	100
SUBTOTAL ABOVE		**6551**	**7922**	**8316**				**22789**	**9064**
STAPLE - NYLON	309.4338	2921	2034	2936				7891	5567
- POLYESTER	309.4342	3115	2489	2224				7828	2817
- ACRYLIC	309.4345	1081	1257	913				3251	2306
- OLEFIN	309.4346	325	76	474				875	312
- OTHER	309.4355	1109	969	1627				3705	2385
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	2271	1604	2787				6662	3626
POLYESTER	309.3040 & .3140	227	593	1026				1846	11
ACRYLIC	309.3050 & .3150	646	538	978				2162	1621
OTHER	309.3065 & .3165	115	147	123				385	160
SUBTOTAL ABOVE		**11810**	**9707**	**13088**				**34605**	**18805**
WASTE, NOT ADVANCED									
- NYLON	309.6625	2390	4767	2062				9219	4633
- POLYESTER	309.6630	634	810	621				2065	2820
- ACRYLIC	309.6645	37	1	0				38	175
- OTHER	309.6660	139	213	452				804	513
NOILS & GARNETTED FIBERS	309.6000 & .7000*	56	62	12				130	0
OTHER WASTE, ADVANCED	309.7525 - .7555	105	300	179				584	841
SUBTOTAL ABOVE		**3361**	**6153**	**3326**				**12840**	**8982**
TOTAL MAN-MADE ABOVE		**24612**	**25974**	**27238**				**77824**	**41235**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC		0	*	0				*	0
- NONCELLULOSIC	310.1015[d] & .1109[e]	1109	1204	1068				3381	1819
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	12	8				22	44
- NONCELLULOSIC	310.1050 & .1070[g]	146	84	162				392	972
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	104	52	136				292	182
- OTHER	310.4015 & .4027[i]	757	3042	3050				6849	6487
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	121	112	118				351	893
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	410	250	442				1102	755
SLIVER, TOPS & ROVING	309.9000	589	756	607				1952	1345
TEXTILE GLASS FIBER	309.2800 & .2900[j]	2128	2900	2813				7841	4757
GRAND TOTAL ABOVE		**29978**	**34386**	**35642**				**100006**	**58489**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 14: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1984	1983
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**17.8**	**16.9**	**19.8**	**17.8**			**72.3**	**70.0**
NYLON[e] - INDUSTRIAL[f]	28.1	29.9	32.8	33.4			124.2	95.9
- LOW DENIER INDUSTRIAL[g]	3.0	3.0	3.0	2.9			11.9	10.3
- CARPET	70.0	62.9	65.5	72.0			270.4	210.3
- TEXTILE	34.3	31.3	31.1	32.7			129.4	125.8
POLYESTER - INDUSTRIAL[f]	24.5	25.2	28.3	26.4			104.4	98.4
- LOW DENIER INDUSTRIAL[g]	1.9	2.1	2.1	2.2			8.3	7.7
- TEXTILE	84.9	69.9	67.1	75.3			297.2	340.4
OLEFIN[h]	52.6	56.9	64.1	58.3			231.9	225.0
TOTAL NONCELLULOSIC ABOVE[i]	**299.3**	**281.2**	**294.0**	**303.2**			**1177.7**	**1113.8**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**32.4**	**31.6**	**38.0**	**35.9**			**137.9**	**116.6**
NYLON[e]	80.0	65.9	70.8	82.3			299.0	275.9
ACRYLIC+MODACRYLIC	53.0	52.2	63.9	58.2			227.3	220.9
POLYESTER	172.5	177.5	197.0	200.8			747.8	698.9
OLEFIN+VINYON	18.6	18.5	20.4	20.2			77.7	55.6
TOTAL NONCELLULOSIC ABOVE	**324.1**	**314.1**	**352.1**	**361.5**			**1351.8**	**1251.3**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**14.3**	**14.6**	**13.2**	**13.6**			**13.6**	**10.2**
NYLON[e] - INDUSTRIAL[f]	23.2	23.7	23.1	22.1			22.1	23.2
- LOW DENIER INDUSTRIAL[g]	4.0	4.4	5.7	5.7			5.7	5.0
- CARPET	54.0	58.8	60.4	57.0			57.0	50.1
- TEXTILE	36.3	36.9	37.5	36.4			36.4	37.8
POLYESTER - INDUSTRIAL[f]	22.0	22.3	20.2	19.4			19.4	26.1
- LOW DENIER INDUSTRIAL[g]	3.4	3.5	3.8	3.5			3.5	3.1
- TEXTILE	77.2	82.8	86.4	84.1			84.1	64.4
OLEFIN[h]	58.1	59.3	60.9	61.5			61.5	52.9
TOTAL NONCELLULOSIC ABOVE[i]	**278.2**	**291.7**	**298.0**	**289.7**			**289.7**	**262.6**
STAPLE+TOW+FIBERFILL								
RAYON	**25.1**	**27.4**	**25.3**	**23.2**			**23.2**	**32.1**
NYLON[e]	70.2	76.0	79.3	71.7			71.7	54.1
ACRYLIC+MODACRYLIC	77.3	79.6	75.4	75.6			75.6	55.0
POLYESTER	180.2	188.6	188.7	177.4			177.4	161.1
OLEFIN+VINYON	20.4	21.2	19.8	20.1			20.1	16.2
TOTAL NONCELLULOSIC ABOVE	**348.1**	**365.4**	**363.2**	**344.8**			**344.8**	**286.4**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	13.3	15.1					28.4	22.3
CARPET CLASS WOOL	0.9	0.8					1.7	1.5
TOTAL RAW WOOL	14.2	15.9					30.1	23.8
RAW COTTON	246.1	242.7	249.7				738.5	634.5

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March/April issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March/April issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March/April issue.

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Textile Organon

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WORLD MAN-MADE FIBER SURVEY

Featured in this issue is our annual survey of the world man-made fiber industry. Our customary world directory of man made fiber producers begins on page 94, the annual cellulosic fiber production and planned capacity survey begins on page 88, and the annual noncellulosic fiber production and planned capacity survey begins on page 84.

Historical world data for most of the tables that appear in this issue can be found in the ***Textile Organon Base Book*** of January 1962 and the following issues of the ***Textile Organon***: June 1966, 1970, and 1979-1983.

As in the past, all data in this issue are in *metric tons* except for the U.S. data on pages 116-120. The tables on pages 81 and 83-93 will be published in the July issue showing data in *millions of pounds*.

Import-export data used to tabulate net available supply by country are not complete at this time. As a result, when these data are obtained, the 1983 net available supply table will be published in the ***Organon***.

ACKNOWLEDGEMENTS

This annual world man-made fiber survey would not have been possible without the help and cooperation of more than 170 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles and Apparel, Domestic and International Business Administration and the U.S. Department of Commerce. Their efforts are greatly appreciated.

TABLE 1: WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

THOUSAND METRIC TONS & *Percent*

TYPE OF FIBER	1977	1978	1979	1980	1981	1982	1983
CELLULOSIC FIBERS (from page 91)							
YARN+MONOFILAMENTS	1172	1167	1176	1161	1104	1025	1038
STAPLE+TOW	2109	2151	2195	2081	2100	1917	1975
TOTAL CELLULOSIC	**3281**	**3318**	**3371**	**3242**	**3204**	**2942**	**3013**
NONCELLULOSIC FIBERS except Olefin (from page 87)							
YARN+MONOFILAMENTS	4312	4603	4889	4732	4809	4486	4868
STAPLE+TOW	4837	5431	5712	5744	6018	5654	6234
TOTAL NONCELL. ABOVE	**9149**	**10034**	**10601**	**10476**	**10827**	**10140**	**11102**
TOTAL MAN-MADE ABOVE	**12430**	**13352**	**13972**	**13718**	**14031**	**13082**	**14115**
% of World Total	*45*	*48*	*47*	*47*	*45*	*44*	*47*
NATURAL FIBERS							
RAW COTTON	13841	12897	14080	13991	15343	14641	14525
RAW WOOL	1488	1528	1576	1604	1625	1623	1606
RAW SILK	49	51	55	56	57	55	55
TOTAL NATURAL ABOVE	**15378**	**14476**	**15711**	**15651**	**17025**	**16319**	**16186**
% of World Total	*55*	*52*	*53*	*53*	*55*	*56*	*53*
WORLD TOTAL ABOVE	**27808**	**27828**	**29683**	**29369**	**31056**	**29401**	**30301**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 87 and 91, as noted. Textile glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see December 1983 *Organon*.

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see the December 1983 *Organon* issue.

SILK: International Silk Association, Food and Agriculture Organization of the United Nations.

Textile Organon

JUNE, 1984

A MONTHLY REVIEW

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TABLE 2:
WORLD NONCELLULOSIC FIBER PRODUCTION BY FIBER EXCEPT OLEFIN
THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION																					PRODUCING CAPACITY					
	1977			1978			1979			1980			1981			1982			1983			1984			1985		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
West Europe	+	677	677	+	794	794	+	795	795	+	737	737	+	807	807	0	753	753	0	851	851	+	1015	1015	+	996	996
East Europe	0	184	184	0	200	200	0	213	213	0	217	217	0	211	211	0	209	209	0	220	220	0	281	281	0	331	331
U.S.A.	0	322	322	0	329	329	0	345	345	0	355	355	0	313	313	0	283	283	0	304	304	0	365	365	0	367	367
Other Americas	0	82	82	0	98	98	0	108	108	0	114	114	0	106	106	0	121	121	0	130	130	0	163	163	0	183	183
Japan	3	335	338	3	370	373	4	355	359	3	350	353	1	347	348	3	344	347	2	355	357	6	394	400	6	394	400
Other A. A. & O.	0	187	187	0	227	227	0	249	249	0	284	284	0	305	305	0	348	348	0	365	365	0	473	473	0	520	520
TOTAL	**3**	**1787**	**1790**	**3**	**2018**	**2021**	**4**	**2065**	**2069**	**3**	**2057**	**2060**	**1**	**2089**	**2090**	**3**	**2058**	**2061**	**2**	**2225**	**2227**	**6**	**2691**	**2697**	**6**	**2791**	**2797**
NYLON+ARAMID[a]																											
West Europe	566	122	688	566	150	716	571	148	719	521	128	649	521	129	650	474	107	581	488	119	607	632	170	802	652	164	816
East Europe	394	31	425	405	31	436	414	31	445	461	55	516	454	79	533	460	83	543	486	83	569	666	94	760	694	94	788
U.S.A.	686	369	1055	750	407	1157	808	426	1234	740	330	1070	717	341	1058	563	311	874	677	420	1097	844	474	1318	862	511	1373
Other Americas	174	20	194	187	22	209	205	23	228	208	23	231	181	20	201	176	21	197	183	22	205	297	37	334	301	37	338
Japan	292	16	308	293	16	309	296	17	313	300	18	318	282	19	301	265	19	284	271	18	289	319	24	343	319	24	343
Other A. A. & O.	265	3	268	309	3	312	332	3	335	365	2	367	393	3	396	385	3	388	405	4	409	609	10	619	700	10	710
TOTAL	**2377**	**561**	**2938**	**2510**	**629**	**3139**	**2626**	**648**	**3274**	**2595**	**556**	**3151**	**2548**	**591**	**3139**	**2323**	**544**	**2867**	**2510**	**666**	**3176**	**3367**	**809**	**4176**	**3528**	**840**	**4368**
POLYESTER																											
West Europe	367	409	776	393	429	822	407	445	852	359	407	766	378	449	827	389	438	827	384	459	843	505	583	1088	504	599	1103
East Europe	94	291	385	112	304	416	118	308	426	135	321	456	132	334	466	147	342	489	166	366	532	229	532	761	286	594	880
U.S.A.	722	930	1652	710	1014	1724	779	1117	1896	663	1146	1809	712	1182	1894	550	887	1437	617	991	1608	684	1263	1947	688	1272	1960
Other Americas	192	120	312	196	134	330	214	164	378	223	166	389	210	163	373	190	160	350	202	178	380	301	245	546	328	269	597
Japan	278	294	572	318	319	637	314	318	632	305	321	626	310	321	631	314	314	628	310	320	630	412	349	761	412	349	761
Other A. A. & O.	235	368	603	321	500	821	386	556	942	409	672	1081	479	795	1274	533	817	1350	649	933	1582	894	1295	2189	977	1677	2654
TOTAL	**1888**	**2412**	**4300**	**2050**	**2700**	**4750**	**2218**	**2908**	**5126**	**2094**	**3033**	**5127**	**2221**	**3244**	**5465**	**2123**	**2958**	**5081**	**2328**	**3247**	**5575**	**3025**	**4267**	**7292**	**3195**	**4760**	**7955**
OTHER FIBERS[b] EXCEPT OLEFIN																											
West Europe	4	10	14	3	9	12	5	11	16	6	11	17	6	7	13	6	9	15	6	9	15	8	12	20	8	12	20
East Europe	9	5	14	9	7	16	5	7	12	+	4	4	1	3	4	1	3	4	+	3	3	1	8	9	1	8	9
U.S.A.	7	1	8	7	1	8	8	1	9	9	+	9	10	1	11	8	1	9	+	+	+	14	+	14	14	+	14
Other Americas	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1
Japan	17	45	62	15	42	57	17	42	59	18	43	61	14	33	47	14	31	45	14	28	42	28	103	131	28	103	131
Other A. A. & O.	6	16	22	5	25	30	5	30	35	6	40	46	7	50	57	7	50	57	7	56	63	15	65	80	15	65	80
TOTAL	**44**	**77**	**121**	**40**	**84**	**124**	**41**	**91**	**132**	**40**	**98**	**138**	**39**	**94**	**133**	**37**	**94**	**131**	**28**	**96**	**124**	**67**	**188**	**255**	**67**	**188**	**255**
TOTAL FIBERS ABOVE																											
West Europe	937	1218	2155	962	1382	2344	983	1399	2382	886	1283	2169	905	1392	2297	869	1307	2176	878	1438	2316	1145	1780	2925	1164	1771	2935
East Europe	497	511	1008	526	542	1068	537	559	1096	596	597	1193	587	627	1214	608	637	1245	652	672	1324	896	915	1811	981	1027	2008
U.S.A.	1415	1622	3037	1467	1751	3218	1595	1889	3484	1412	1831	3243	1439	1837	3276	1121	1482	2603	1294	1715	3009	1542	2102	3644	1564	2150	3714
Other Americas	367	222	589	384	254	638	420	295	715	432	303	735	392	289	681	367	302	669	386	330	716	599	445	1044	630	489	1119
Japan	590	690	1280	629	747	1376	631	732	1363	626	732	1358	607	720	1327	596	708	1304	597	721	1318	765	870	1635	765	870	1635
Other A. A. & O.	506	574	1080	635	755	1390	723	838	1561	780	998	1778	879	1153	2032	925	1218	2143	1061	1358	2419	1518	1843	3361	1692	2272	3964
WORLD TOTAL	**4312**	**4837**	**9149**	**4603**	**5431**	**10034**	**4889**	**5712**	**10601**	**4732**	**5744**	**10476**	**4809**	**6018**	**10827**	**4486**	**5654**	**10140**	**4868**	**6234**	**11102**	**6465**	**7955**	**14420**	**6796**	**8579**	**15375**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 84-86.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983.

TABLE 3a:
WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY EXCEPT OLEFIN

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	0	25.9	25.9	0	30.4	30.4	0	29.3	29.3	0	25.4	25.4
Benelux[a]	85.1	54.2	139.3	94.7	48.0	142.7	95.2	40.4	135.6	71.9	32.4	104.3
Eire (Ireland)	2.4	12.5	14.9	8.3	26.0	34.3	10.8	32.0	42.8	10.0	31.7	41.7
Finland	0.4	0	0.4	0.5	0	0.5	0.4	0	0.4	0.4	0	0.4
France	100.3	143.6	243.9	91.7	154.7	246.4	78.7	145.3	224.0	65.3	126.7	192.0
West Germany	325.0	365.2	690.2	326.0	403.4	729.4	338.0	421.5	759.5	317.7	402.4	720.1
Greece	7.7	7.5	15.2	8.5	7.9	16.4	9.2	9.5	18.7	9.0	10.0	19.0
Italy/Malta	118.4	211.7	330.1	117.9	236.5	354.4	126.6	233.6	360.2	124.9	229.9	354.8
Portugal	1.5	16.6	18.1	1.6	26.1	27.7	1.7	29.2	30.9	1.4	32.1	33.5
Spain	55.1	104.6	159.7	60.8	129.1	189.9	71.7	141.4	213.1	65.0	136.7	201.7
Switzerland	49.0	28.7	77.7	49.8	33.4	83.2	49.1	30.0	79.1	60.7	23.7	84.4
Turkey	15.0	65.5	80.5	22.1	60.6	82.7	30.0	77.0	107.0	28.0	70.0	98.0
United Kingdom	176.7	182.1	358.8	180.9	225.2	406.1	171.4	209.7	381.1	125.9	161.7	287.6
Total Western Europe	**936.6**	**1218.1**	**2154.7**	**962.8**	**1381.3**	**2344.1**	**982.8**	**1398.9**	**2381.7**	**880.2**	**1282.7**	**2162.9**
EASTERN EUROPE												
Albania	0	0	0	0	0	0	0	0	0	0	0	0
Bulgaria	12.5	31.5	44.0	13.0	33.0	46.0	13.0	35.0	48.0	17.3	37.0	54.3
Czechoslovakia	46.0	23.0	69.0	49.0	25.0	74.0	50.0	22.0	72.0	54.0	22.4	76.4
Germany, D.R.	53.0	71.0	124.0	53.5	74.0	127.5	54.6	77.9	132.5	57.0	82.0	139.0
Hungary	3.2	13.1	16.3	3.3	15.4	18.7	3.2	14.8	18.0	5.8	14.7	20.5
Poland	81.2	65.5	146.7	85.2	66.9	152.1	87.4	65.9	153.3	94.5	68.5	163.0
Romania	29.0	95.0	124.0	30.0	100.0	130.0	35.0	105.0	140.0	33.0	103.0	136.0
U.S.S.R.	265.0	191.0	456.0	275.0	200.0	475.0	273.0	203.0	476.0	319.0	231.0	550.0
Yugoslavia	7.3	20.3	27.6	17.0	28.0	45.0	21.0	35.0	56.0	23.0	40.0	63.0
Total Eastern Europe	**497.2**	**510.4**	**1007.6**	**526.0**	**542.3**	**1068.3**	**537.2**	**558.6**	**1095.8**	**603.6**	**598.6**	**1202.2**
TOTAL EUROPE	**1433.8**	**1728.5**	**3162.3**	**1488.8**	**1923.6**	**3412.4**	**1520.0**	**1957.5**	**3477.5**	**1483.8**	**1881.3**	**3365.1**

Y means yarn+monofilaments.
S means staple+tow+fiberfill.
a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	18.7	18.7	0	16.2	16.2	0	18.0	18.0	0	21.0	21.0	0	21.0	21.0
80.4	25.3	105.7	70.6	19.2	89.8	61.9	21.3	83.2	84.1	40.0	124.1	91.1	50.0	141.1
15.0	31.3	46.3	12.3	28.0	40.3	11.0	32.0	43.0	14.0	44.5	58.5	14.0	44.5	58.5
0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.6	0	0.6	0.6	0	0.6
66.4	134.8	201.2	64.8	125.3	190.1	63.2	135.1	198.3	86.0	158.0	244.0	86.0	133.0	219.0
320.7	431.5	752.2	324.0	377.9	701.9	332.1	425.5	757.7	390.6	429.0	819.6	390.6	429.0	819.6
9.0	8.9	17.9	8.5	9.3	17.8	9.0	10.0	19.0	17.7	12.0	29.7	17.7	12.0	29.7
149.0	286.3	435.3	148.7	280.0	428.7	142.5	312.5	455.0	190.5	419.5	610.0	185.7	384.5	570.2
1.1	34.0	35.1	0.9	38.0	38.9	3.0	39.0	42.0	7.0	43.0	50.0	15.0	49.0	64.0
72.3	168.9	241.2	73.6	157.7	231.3	64.6	165.2	229.8	100.1	222.0	322.1	100.1	222.0	322.1
57.1	27.9	85.0	53.4	27.0	80.4	61.9	30.5	92.4	73.5	31.0	104.5	76.5	31.0	107.5
32.4	76.3	108.7	45.1	90.2	135.3	48.0	101.5	149.5	68.0	135.0	203.0	76.0	170.0	246.0
100.9	148.4	249.3	66.5	137.8	204.3	80.0	147.7	227.7	113.0	225.0	338.0	111.0	225.0	336.0
904.8	**1392.3**	**2297.1**	**868.9**	**1306.6**	**2175.5**	**877.7**	**1438.4**	**2316.1**	**1145.1**	**1780.0**	**2925.1**	**1164.3**	**1771.0**	**2935.3**
0	0	0	0	0	0	0	0	0	0	0	0	0	10.0	10.0
17.5	39.0	56.5	17.5	35.0	52.5	18.5	42.0	60.5	19.5	62.0	81.5	19.5	67.0	86.5
52.5	37.5	90.0	65.0	37.0	102.0	67.0	38.0	105.0	71.0	53.0	124.0	71.0	53.0	124.0
56.0	78.0	134.0	55.0	78.9	133.9	62.0	82.0	144.0	75.0	95.0	170.0	85.0	95.0	180.0
7.0	14.3	21.3	7.6	12.7	20.3	7.6	13.2	20.8	9.0	28.0	37.0	9.0	43.0	52.0
78.7	40.2	118.9	75.4	53.1	128.5	85.4	62.3	147.7	112.0	86.0	198.0	122.0	86.0	208.0
39.5	114.5	154.0	39.0	112.0	151.0	42.0	114.0	156.0	65.0	144.0	209.0	65.0	144.0	209.0
311.8	261.0	572.8	325.8	268.0	593.8	345.0	277.0	622.0	499.0	371.0	870.0	561.0	441.0	1002.0
24.0	41.0	65.0	22.0	40.5	62.5	25.0	44.0	69.0	44.0	77.5	121.5	49.0	87.5	136.5
587.0	**625.5**	**1212.5**	**607.3**	**637.2**	**1244.5**	**652.5**	**672.5**	**1325.0**	**894.5**	**916.5**	**1811.0**	**981.5**	**1026.5**	**2008.0**
1491.8	**2017.8**	**3509.6**	**1476.2**	**1943.8**	**3420.0**	**1530.2**	**2110.9**	**3641.1**	**2039.6**	**2696.5**	**4736.1**	**2145.8**	**2797.5**	**4943.3**

TABLE 3b:

WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY EXCEPT OLEFIN (continued)

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**1415.2**	**1622.0**	**3037.2**	**1466.8**	**1751.2**	**3218.0**	**1594.5**	**1889.2**	**3483.7**	**1411.6**	**1830.5**	**3242.1**
OTHER AMERICAS												
Argentina	24.4	15.8	40.2	22.2	17.0	39.2	29.6	22.6	52.2	21.3	12.9	34.2
Bolivia	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	95.6	64.2	159.8	105.7	74.5	180.2	122.5	91.4	213.9	136.4	95.0	231.4
Canada	69.3	43.5	112.8	72.2	50.9	123.1	73.1	48.5	121.6	74.0	48.0	122.0
Chile	4.0	2.2	6.2	4.4	1.5	5.9	5.0	2.4	7.4	5.0	2.5	7.5
Colombia	32.7	6.1	38.8	33.2	7.8	41.0	28.7	8.0	36.7	28.2	10.9	39.1
Costa Rica	+	0	+	2.0	0	2.0	2.0	0	2.0	3.0	0	3.0
Ecuador	2.3	0	2.3	2.5	0	2.5	3.4	0	3.4	3.5	0	3.5
Guatemala	0	0	0	0	0	0	+	0	+	0	0	0
Mexico	120.4	65.6	186.0	123.4	75.9	199.3	136.1	93.0	229.1	137.0	102.4	239.4
Peru	5.6	19.2	24.8	5.6	20.5	26.1	7.0	21.0	28.0	10.5	22.5	33.0
Uruguay	1.1	+	1.1	1.1	+	1.1	1.1	2.4	3.5	1.1	2.6	3.7
Venezuela	11.7	5.7	17.4	11.5	5.5	17.0	11.7	6.1	17.8	11.5	6.0	17.5
Total Other Americas	**367.1**	**222.3**	**589.4**	**383.8**	**253.6**	**637.4**	**420.2**	**295.4**	**715.6**	**431.5**	**302.8**	**734.3**
JAPAN	**590.2**	**690.2**	**1280.4**	**629.0**	**747.0**	**1376.0**	**631.2**	**731.9**	**1363.1**	**625.7**	**731.1**	**1356.8**
OTHER AFRICA, ASIA & OCEANIA												
Australia/N.Z.	17.5	1.2	18.7	18.1	1.1	19.2	16.4	0.5	16.9	12.0	+	12.0
Bangladesh	0.3	0	0.3	0.5	0	0.5	0.2	0	0.2	0.3	0	0.3
China, P.R.O.	18.0	42.0	60.0	30.0	106.6	136.6	36.0	128.0	164.0	43.0	205.0	248.0
Egypt	0.8	0.4	1.2	0.8	0.4	1.2	1.5	0.4	1.9	1.8	5.0	6.8
India	25.6	21.6	47.2	32.8	25.7	58.5	35.8	27.8	63.6	39.7	30.8	70.5
Indonesia	17.3	37.2	54.5	21.3	45.4	66.7	22.7	50.3	73.0	41.5	53.9	95.4
Iran	8.5	0	8.5	9.0	+	9.0	5.0	0	5.0	6.0	0	6.0
Israel	5.8	5.6	11.4	8.9	6.2	15.1	9.9	6.4	16.3	10.5	6.6	17.1
Kenya	0	0	0	0	0	0	+	0	+	1.0	0	1.0
Korea, Rep. of	162.5	187.4	349.9	208.0	224.5	432.5	237.2	240.1	477.3	255.2	281.2	536.4
Malaysia	0	30.0	30.0	0	33.0	33.0	0	35.0	35.0	0	36.0	36.0
Nigeria	0	+	+	+	3.0	3.0	3.0	4.0	7.0	2.5	2.5	5.0
Pakistan	2.2	0	2.2	1.9	0	1.9	2.0	0	2.0	1.5	0	1.5
Philippines	14.9	7.8	22.7	16.0	8.6	24.6	25.0	11.6	36.6	30.0	14.0	44.0
South Africa	25.7	13.5	39.2	29.4	16.5	45.9	32.2	19.5	51.7	33.5	20.0	53.5
Sri Lanka	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	175.4	189.0	364.4	223.5	240.7	464.2	256.8	264.5	521.3	264.6	293.2	557.8
Tanzania	0	0	0	0	0	0	0	0	0	0	0	0
Thailand	31.7	38.1	69.8	34.7	43.6	78.3	39.7	49.9	89.6	36.5	49.5	86.0
Total Other A.,A. & O.	**506.2**	**573.8**	**1080.0**	**634.9**	**755.3**	**1390.2**	**723.4**	**838.0**	**1561.4**	**779.6**	**997.7**	**1777.3**
WORLD TOTAL	**4312.6**	**4836.8**	**9149.4**	**4603.4**	**5431.0**	**10034.4**	**4889.4**	**5712.0**	**10601.4**	**4732.3**	**5743.4**	**10475.7**

WORLD NONCELLULOSIC FIBER PRODUCTION
THOUSAND METRIC TONS

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
1438.8	**1836.7**	**3275.5**	**1121.4**	**1481.7**	**2603.1**	**1293.5**	**1715.0**	**3008.5**	**1542.2**	**2101.5**	**3643.7**	**1564.0**	**2150.0**	**3714.0**
16.0	8.3	24.3	18.1	11.9	30.0	24.2	16.0	40.2	46.2	30.0	76.2	46.2	30.0	76.2
0	0	0	1.0	0	1.0	2.0	0	2.0	5.0	0	5.0	5.0	0	5.0
115.0	86.8	201.8	116.0	82.1	198.1	105.7	79.6	185.3	161.4	111.2	272.6	161.4	111.2	272.6
65.9	40.0	105.9	52.0	45.0	97.0	59.3	53.0	112.3	92.4	67.0	159.4	95.4	77.0	172.4
5.0	2.5	7.5	4.6	0.8	5.4	4.7	1.0	5.7	10.7	5.0	15.7	10.7	6.0	16.7
32.8	11.2	44.0	26.0	12.0	38.0	28.0	12.0	40.0	44.5	15.0	59.5	60.7	15.0	75.7
3.2	0	3.2	3.5	0	3.5	3.5	0	3.5	8.0	0	8.0	8.0	0	8.0
3.5	0	3.5	4.0	0	4.0	4.0	0	4.0	7.0	0	7.0	7.0	7.3	14.3
0	0	0	0	0	0	0	0	0	2.0	0	2.0	2.0	0	2.0
133.0	111.0	244.0	122.1	115.4	237.5	132.2	131.0	263.2	192.2	172.2	364.4	202.9	192.2	395.1
10.1	21.1	31.2	10.4	29.4	39.8	11.5	29.4	40.9	16.0	33.0	49.0	16.0	38.0	54.0
0.9	2.1	3.0	0.9	2.3	3.2	1.3	3.7	5.0	1.7	3.5	5.2	1.7	4.0	5.7
7.5	6.0	13.5	8.2	3.6	11.8	9.7	4.0	13.7	12.4	7.8	20.2	13.2	7.8	21.0
392.9	**289.0**	**681.9**	**366.8**	**302.5**	**669.3**	**386.1**	**329.7**	**715.8**	**599.5**	**444.7**	**1044.2**	**630.2**	**488.5**	**1118.7**
607.0	**721.8**	**1328.8**	**596.2**	**708.2**	**1304.4**	**597.4**	**720.9**	**1318.3**	**765.0**	**870.0**	**1635.0**	**765.0**	**870.0**	**1635.0**
10.0	0	10.0	14.5	0	14.5	14.5	1.0	15.5	26.5	1.5	28.0	26.5	1.5	28.0
0.2	0	0.2	0.2	0	0.2	0.2	5.0	5.2	0.9	36.0	36.9	0.9	36.0	36.9
55.0	292.0	347.0	67.0	302.0	369.0	75.0	325.0	400.0	218.0	560.0	778.0	250.0	785.0	1035.0
2.0	5.0	7.0	3.3	10.6	13.9	3.5	12.6	16.1	9.0	34.6	43.6	9.0	67.6	76.6
50.9	39.8	90.7	62.0	44.2	106.2	87.2	40.4	127.6	100.0	90.5	190.5	152.5	162.1	314.6
46.4	55.1	101.5	60.9	55.2	116.1	70.0	68.5	138.5	80.0	80.0	160.0	80.0	112.0	192.0
10.0	10.0	20.0	13.0	15.0	28.0	18.0	22.0	40.0	35.7	37.7	73.4	51.7	37.7	89.4
10.5	6.8	17.3	11.5	7.0	18.5	11.6	7.0	18.6	16.0	7.5	23.5	16.0	7.5	23.5
1.0	0	1.0	1.0	0	1.0	3.1	0	3.1	11.0	5.4	16.4	11.0	5.4	16.4
284.0	326.4	610.4	301.4	311.0	612.4	336.3	327.6	663.9	368.0	367.5	735.5	389.0	367.5	756.5
0	35.0	35.0	0	32.0	32.0	0	35.0	35.0	0	37.5	37.5	0	37.5	37.5
2.7	4.0	6.7	1.2	1.1	2.3	2.5	2.5	5.0	5.0	5.0	10.0	5.0	5.0	10.0
1.5	0	1.5	5.1	6.9	12.0	7.5	10.0	17.5	14.4	24.0	38.4	27.5	24.0	51.5
32.0	14.0	46.0	35.0	15.0	50.0	37.0	16.0	53.0	43.0	18.0	61.0	43.0	18.0	61.0
32.6	20.0	52.6	35.0	20.0	55.0	36.0	21.0	57.0	43.0	22.0	65.0	51.0	30.0	81.0
0.8	0	0.8	1.0	0	1.0	1.0	0	1.0	2.7	0	2.7	2.7	0	2.7
298.2	288.8	587.0	280.8	350.1	630.9	323.4	414.0	737.4	466.8	450.0	916.8	496.8	510.0	1006.8
0	0	0	1.0	0	1.0	2.0	0	2.0	5.0	0	5.0	5.0	0	5.0
40.4	56.3	96.7	31.1	48.0	79.1	32.0	50.0	82.0	73.4	65.3	138.7	74.0	65.3	139.3
878.2	**1153.2**	**2031.4**	**925.0**	**1218.1**	**2143.1**	**1060.8**	**1357.6**	**2418.4**	**1518.4**	**1842.5**	**3360.9**	**1691.6**	**2272.1**	**3963.7**
4808.7	**6018.5**	**10827.2**	**4485.6**	**5654.3**	**10139.9**	**4868.0**	**6234.1**	**11102.1**	**6464.7**	**7955.2**	**14419.9**	**6796.6**	**8578.1**	**15374.7**

TABLE 4a:

WORLD CELLULOSIC FIBER PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	12.6	90.2	102.8	11.3	96.0	107.3	12.0	98.8	110.8	15.3	100.6	115.9
Belgium/Netherlands	36.2	23.0	59.2	36.0	23.6	59.6	36.1	26.9	63.0	37.4	22.0	59.4
Finland	1.2	39.8	41.0	1.2	42.8	44.0	1.2	48.0	49.2	0.6	47.2	47.8
France	20.8	60.7	81.5	19.3	55.2	74.5	18.5	58.9	77.4	16.4	49.6	66.0
West Germany	63.7	46.0	109.7	59.7	49.0	108.7	58.1	50.0	108.1	65.2	46.0	111.2
Greece	7.2	0	7.2	7.2	0	7.2	7.2	0	7.2	7.2	0	7.2
Italy	44.4	62.3	106.7	39.3	46.9	86.2	38.4	39.0	77.4	36.6	27.5	64.1
Norway	0	24.6	24.6	0	28.4	28.4	0	29.3	29.3	0	28.4	28.4
Portugal	2.6	1.4	4.0	2.1	1.2	3.3	2.5	1.7	4.2	2.7	0.7	3.4
Spain	15.0	43.1	58.1	13.8	46.6	60.4	12.6	45.3	57.9	12.8	40.1	52.9
Sweden	0	33.1	33.1	0	36.9	36.9	0	36.9	36.9	0	34.9	34.9
Switzerland	4.7	0	4.7	4.1	0	4.1	3.3	0	3.3	1.8	0	1.8
Turkey	0.3	4.0	4.3	0.3	4.0	4.3	0.3	6.0	6.3	0.3	5.0	5.3
United Kingdom	62.6	113.6	176.2	59.7	124.4	184.1	59.2	139.2	198.4	36.7	109.3	146.0
Total Western Europe	**271.3**	**541.8**	**813.1**	**254.0**	**555.0**	**809.0**	**249.4**	**580.0**	**829.4**	**233.0**	**511.3**	**744.3**
EASTERN EUROPE												
Bulgaria	3.0	25.7	28.7	3.2	27.8	31.0	3.2	30.0	33.2	3.3	33.0	36.3
Czechoslovakia	22.0	50.6	72.6	21.5	49.5	71.0	22.0	36.0	58.0	19.8	34.9	54.7
Germany, D.R.	36.0	131.0	167.0	34.0	129.2	163.2	35.0	130.0	165.0	36.5	132.0	168.5
Hungary	0	9.1	9.1	0	9.0	9.0	0	8.6	8.6	0	9.0	9.0
Poland	28.6	67.1	95.7	28.0	65.4	93.4	27.2	56.6	83.8	25.4	61.0	86.4
Romania	9.0	50.4	59.4	9.5	53.0	62.5	9.7	55.0	64.7	9.5	54.0	63.5
U.S.S.R.	295.0	334.0	629.0	300.0	335.0	635.0	298.0	337.0	635.0	305.0	345.0	650.0
Yugoslavia	14.9	56.0	70.9	15.0	57.0	72.0	15.5	58.0	73.5	15.0	58.0	73.0
Total Eastern Europe	**408.5**	**723.9**	**1132.4**	**411.2**	**725.9**	**1137.1**	**410.6**	**711.2**	**1121.8**	**414.5**	**726.9**	**1141.4**
TOTAL EUROPE	**679.8**	**1265.7**	**1945.5**	**665.2**	**1280.9**	**1946.1**	**660.0**	**1291.2**	**1951.2**	**647.5**	**1238.2**	**1885.7**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided as between rayon and acetate yarn, is given on page 92. Also note page 93 for data on production of acetate staple and cigarette tow.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
15.6	107.9	123.5	13.8	100.8	114.6	11.5	109.7	121.2	16.5	111.5	128.0	16.5	113.0	129.5
38.3	14.6	52.9	38.1	8.9	47.0	41.1	6.1	47.2	43.9	17.8	61.7	43.9	0	43.9
0	46.6	46.6	0	53.1	53.1	0	57.6	57.6	0	61.0	61.0	0	61.0	61.0
11.0	42.9	53.9	8.6	36.9	45.5	8.4	29.5	37.9	10.0	0	10.0	10.0	0	10.0
65.0	50.0	115.0	61.0	50.0	111.0	59.0	55.0	114.0	68.0	55.0	123.0	68.0	55.0	123.0
7.2	0	7.2	7.2	0	7.2	6.3	0	6.3	7.5	0	7.5	7.5	0	7.5
35.1	24.4	59.5	31.6	14.2	45.8	29.3	0	29.3	35.0	0	35.0	41.0	0	41.0
0	28.4	28.4	0	20.0	20.0	0	0	0	0	0	0	0	0	0
2.9	0.3	3.2	3.1	0	3.1	3.5	0	3.5	4.0	0	4.0	4.0	0	4.0
12.6	37.8	50.4	11.3	31.8	43.1	10.5	21.5	32.0	17.1	35.0	52.1	17.1	35.0	52.1
0	34.7	34.7	0	38.0	38.0	0	39.3	39.3	0	45.0	45.0	0	45.0	45.0
+	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.3	5.0	5.3	0.3	5.3	5.6	0.3	4.0	4.3	0.5	8.0	8.5	0.5	8.0	8.5
27.0	102.4	129.4	24.0	89.2	113.2	25.0	115.2	140.2	36.0	115.5	151.5	36.0	115.5	151.5
215.0	**495.0**	**710.0**	**199.0**	**448.2**	**647.2**	**194.9**	**437.9**	**632.8**	**238.5**	**448.8**	**687.3**	**244.5**	**432.5**	**677.0**
4.3	34.7	39.0	4.0	34.0	38.0	4.1	35.0	39.1	5.0	42.0	47.0	5.0	42.0	47.0
18.2	36.0	54.2	19.6	35.5	55.1	20.1	37.9	58.0	25.0	57.0	82.0	25.0	57.0	82.0
37.0	132.0	169.0	34.0	127.8	161.8	35.0	130.1	165.1	38.5	145.0	183.5	38.5	152.0	190.5
0	7.5	7.5	0	7.6	7.6	0	6.4	6.4	0	10.0	10.0	0	10.0	10.0
19.5	44.4	63.9	19.3	45.1	64.4	18.2	51.2	69.4	31.5	71.5	103.0	31.5	71.5	103.0
9.6	55.0	64.6	8.2	50.0	58.2	8.5	51.0	59.5	10.0	55.0	65.0	10.0	170.0	180.0
300.0	345.5	645.5	294.4	340.5	634.9	300.0	345.0	645.0	340.0	353.0	693.0	340.0	353.0	693.0
15.0	58.0	73.0	13.0	55.0	68.0	14.0	58.0	72.0	17.0	60.0	77.0	17.0	60.0	77.0
403.6	**713.1**	**1116.7**	**392.5**	**695.5**	**1088.0**	**399.9**	**714.6**	**1114.5**	**467.0**	**793.5**	**1260.5**	**467.0**	**915.5**	**1382.5**
618.6	**1208.1**	**1826.7**	**591.5**	**1143.7**	**1735.2**	**594.8**	**1152.5**	**1747.3**	**705.5**	**1242.3**	**1947.8**	**711.5**	**1348.0**	**2059.5**

TABLE 4b:

WORLD CELLULOSIC FIBER PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**160.0**	**242.7**	**402.7**	**164.6**	**245.7**	**410.3**	**169.4**	**252.4**	**421.8**	**161.3**	**204.3**	**365.6**
OTHER AMERICAS												
Argentina	5.5	5.7	11.2	4.4	3.8	8.2	5.1	4.7	9.8	2.0	1.5	3.5
Brazil	28.8	21.7	50.5	24.1	22.4	46.5	24.4	25.5	49.9	26.0	25.3	51.3
Canada	11.0	26.2	37.2	12.3	26.8	39.1	14.1	31.3	45.4	14.0	30.0	44.0
Chile	0.9	2.9	3.8	0.8	3.3	4.1	1.0	3.0	4.0	1.0	3.0	4.0
Colombia	3.3	0	3.3	3.4	0	3.4	3.4	0	3.4	2.4	0	2.4
Cuba	2.4	3.7	6.1	2.3	3.7	6.0	2.4	3.8	6.2	2.2	3.8	6.0
Mexico	18.7	8.8	27.5	17.2	10.5	27.7	17.1	10.3	27.4	16.8	11.0	27.8
Peru	1.3	0	1.3	1.1	0	1.1	1.3	0	1.3	1.5	0	1.5
Uruguay	1.2	0	1.2	1.3	0	1.3	1.4	0	1.4	1.3	0	1.3
Venezuela	3.0	0	3.0	3.0	0	3.0	3.0	0	3.0	2.8	0	2.8
Total Other Americas	**76.1**	**69.0**	**145.1**	**69.9**	**70.5**	**140.4**	**73.2**	**78.6**	**151.8**	**70.0**	**74.6**	**144.6**
JAPAN	**107.4**	**272.7**	**380.1**	**109.8**	**279.4**	**389.2**	**114.3**	**290.4**	**404.7**	**119.3**	**278.0**	**397.3**
OTHER AFRICA, ASIA & OCEANIA												
Bangladesh	1.4	0	1.4	3.0	0	3.0	4.1	0	4.1	3.5	0	3.5
China, P.R.O.	61.0	77.0	138.0	65.0	80.0	145.0	68.0	85.0	153.0	75.0	95.0	170.0
Egypt	6.2	2.4	8.6	6.0	3.7	9.7	5.8	4.2	10.0	6.0	4.0	10.0
India	58.9	87.1	146.0	62.4	92.0	154.4	60.5	92.2	152.7	57.7	74.7	132.4
Indonesia	0	0	0	0	0	0	0	0	0	0	0	0
Iraq	2.8	5.3	8.1	3.0	5.5	8.5	2.9	5.4	8.3	3.0	5.5	8.5
Korea, Rep. of	12.8	9.7	22.5	12.7	10.0	22.7	13.2	10.4	23.6	12.4	15.0	27.4
Pakistan	2.6	0	2.6	2.3	0	2.3	2.0	0	2.0	2.7	0	2.7
Taiwan	3.0	66.6	69.6	3.1	66.9	70.0	3.0	70.0	73.0	3.0	75.3	78.3
Thailand	0	10.7	10.7	0	13.5	13.5	0	15.1	15.1	0	16.4	16.4
Total Other A.,A. & O.	**148.7**	**258.8**	**407.5**	**157.5**	**271.6**	**429.1**	**159.5**	**282.3**	**441.8**	**163.3**	**285.9**	**449.2**
WORLD TOTAL	**1172.0**	**2108.9**	**3280.9**	**1167.0**	**2148.1**	**3315.1**	**1176.4**	**2194.9**	**3371.3**	**1161.4**	**2081.0**	**3242.4**

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
138.6	**210.7**	**349.3**	**103.6**	**161.0**	**264.6**	**115.3**	**170.0**	**285.3**	**150.1**	**231.3**	**381.4**	**150.1**	**231.3**	**381.4**
1.0	0	1.0	1.6	0	1.6	1.7	0	1.7	10.0	10.0	20.0	10.0	10.0	20.0
21.0	25.3	46.3	20.8	24.2	45.0	18.4	22.0	40.4	25.2	31.2	56.4	25.2	31.2	56.4
13.5	28.2	41.7	9.5	28.0	37.5	10.0	30.0	40.0	14.5	38.0	52.5	14.5	38.0	52.5
1.0	3.0	4.0	1.0	3.2	4.2	1.0	3.2	4.2	2.0	5.4	7.4	2.0	5.4	7.4
1.8	0	1.8	1.8	0	1.8	1.8	0	1.8	3.5	0	3.5	3.5	0	3.5
2.2	3.8	6.0	2.1	3.6	5.7	2.0	3.5	5.5	3.0	5.0	8.0	3.0	5.0	8.0
16.6	11.3	27.9	14.1	5.4	19.5	10.8	5.0	15.8	14.7	10.2	24.9	14.7	10.2	24.9
1.3	0	1.3	1.0	0	1.0	1.0	0	1.0	1.7	0	1.7	1.7	0	1.7
1.0	0	1.0	0.6	0	0.6	1.0	0	1.0	1.4	0	1.4	1.4	0	1.4
2.8	0	2.8	1.2	0	1.2	1.5	0	1.5	2.4	0	2.4	2.4	0	2.4
62.2	**71.6**	**133.8**	**53.7**	**64.4**	**118.1**	**49.2**	**63.7**	**112.9**	**78.4**	**99.8**	**178.2**	**78.4**	**99.8**	**178.2**
118.7	**273.5**	**392.2**	**120.5**	**258.8**	**379.3**	**116.8**	**267.9**	**384.7**	**136.0**	**314.3**	**450.3**	**136.0**	**314.3**	**450.3**
3.0	0	3.0	2.5	0	2.5	2.5	1.0	3.5	5.4	5.0	10.4	5.4	5.0	10.4
80.0	105.0	185.0	80.0	105.0	185.0	85.0	112.0	197.0	100.0	130.0	230.0	100.0	130.0	230.0
6.0	4.0	10.0	7.0	4.5	11.5	7.0	4.6	11.6	7.0	5.4	12.4	7.0	5.4	12.4
55.9	94.5	150.4	48.6	52.8	101.4	46.2	69.2	115.4	69.5	92.0	161.5	69.5	165.8	235.3
0	0	0	0	10.1	10.1	0	12.0	12.0	0	36.0	36.0	0	36.0	36.0
3.0	5.5	8.5	3.0	5.5	8.5	3.0	5.5	8.5	3.5	6.5	10.0	3.5	6.5	10.0
12.8	13.9	26.7	9.9	5.8	15.7	12.9	0	12.9	13.8	27.0	40.8	13.8	27.0	40.8
2.4	0	2.4	1.8	0	1.8	2.5	0	2.5	3.3	0	3.3	3.3	0	3.3
3.0	96.7	99.7	3.3	89.5	92.8	3.0	98.5	101.5	4.3	99.4	103.7	4.3	99.4	103.7
0	16.4	16.4	0	15.5	15.5	0	17.5	17.5	0	18.2	18.2	0	18.2	18.2
166.1	**336.0**	**502.1**	**156.1**	**288.7**	**444.8**	**162.1**	**320.3**	**482.4**	**206.8**	**419.5**	**626.3**	**206.8**	**493.3**	**700.1**
1104.2	**2099.9**	**3204.1**	**1025.4**	**1916.6**	**2942.0**	**1038.2**	**1974.4**	**3012.6**	**1276.8**	**2307.2**	**3584.0**	**1282.8**	**2486.7**	**3769.5**

TABLE 5: RAYON VS. ACETATE FILAMENT YARN PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

	WEST EUROPE																		
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE		WEST GERMANY			ITALY			SPAIN			UNITED KINGDOM			OTHER[a]
YEAR	H	R	H	R	A	H	R	H	R+C	A	H	R+C	A	H	R	A	H	R	A	R
1977	9	4	17	14	5	8	13	38	24	2	11	15	18	7	6	2	17	12	33	16
1978	8	3	15	15	6	9	10	35	23	2	11	11	17	6	5	3	15	10	35	15
1979	8	4	14	15	7	9	9	33	23	2	11	9	18	5	5	3	11	10	38	15
1980	11	4	15	16	6	8	9	40	24	1	11	5	21	6	4	3	1	2	34	12
1981	11	5	16	16	6	2	9	39	25	1	11	5	19	6	3	3	0	0	27	11
1982	9	5	15	17	6	0	9	40	21	0	9	3	19	4	4	3	0	0	24	8
1983	8	4	18	17	7	0	9	39	20	0	9	2	18	3	4	3	0	0	25	9
PRODUCING CAPACITY																				
1984	11	5	19	17	8	0	10	43	25	0	12	3	20	9	5	4	0	0	36	12
1985	11	5	19	17	8	0	10	43	25	0	12	9	20	9	5	4	0	0	36	12

	W. EUROPE *(cont.)*			EAST EUROPE															
	TOTAL WEST EUROPE			BULGARIA	CZECHOSLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.			YUGOSLAVIA		TOTAL EAST EUROPE		
YEAR	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A
1977	**107**	**104**	**60**	3	10	12	13	23	8	21	6	3	165	80	50	7	8	**209**	**150**	**50**
1978	**99**	**92**	**63**	3	10	12	13	21	8	20	6	3	165	80	55	7	8	**209**	**147**	**55**
1979	**91**	**90**	**68**	3	10	12	13	22	7	20	6	4	163	80	55	7	9	**206**	**150**	**55**
1980	**92**	**76**	**65**	3	9	11	14	23	7	18	6	4	165	85	55	7	8	**208**	**152**	**55**
1981	**85**	**74**	**56**	4	8	10	14	23	5	15	6	4	165	80	55	7	8	**205**	**144**	**55**
1982	**77**	**67**	**52**	4	8	12	13	21	4	15	5	3	160	80	54	6	7	**196**	**142**	**54**
1983	**77**	**65**	**53**	4	8	12	14	22	4	14	5	3	162	83	55	7	7	**200**	**145**	**55**
PRODUCING CAPACITY																				
1984	**94**	**77**	**68**	5	11	14	14	24	9	23	6	4	170	100	70	8	9	**216**	**179**	**70**
1985	**94**	**83**	**68**	5	11	14	14	24	9	23	6	4	170	100	70	8	9	**218**	**179**	**70**

	OTHER AMERICAS																			
	U.S.A.			ARGENTINA			BRAZIL			CANADA	CHILE	COLOMBIA	CUBA		MEXICO			PERU		URUGUAY
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	A	H	R	H	R	A	R	A	A
1977	**25**	**7**	**128**	1	3	1	11	12	6	11	1	3	2	+	3	7	9	1	1	1
1978	**21**	**7**	**137**	1	2	1	8	12	4	12	1	4	2	+	3	6	9	+	1	1
1979	**19**	**7**	**143**	1	3	1	7	15	3	14	1	4	2	+	3	6	8	+	1	1
1980	**14**	**7**	**140**	1	1	+	6	16	4	14	1	2	2	+	3	6	8	0	2	1
1981	**15**	**7**	**117**	0	+	1	4	14	3	13	1	2	2	+	3	6	8	0	1	1
1982	**9**	**6**	**88**	0	0	1	4	15	2	10	1	2	2	+	3	5	6	0	1	1
1983	**7**	**5**	**103**	0	0	2	3	14	1	10	1	2	2	+	3	2	6	0	1	1
PRODUCING CAPACITY																				
1984	**21**	**7**	**122**	1	5	3	5	16	5	14	2	4	3	+	3	3	9	0	2	1
1985	**21**	**7**	**122**	1	5	3	5	16	5	14	2	4	3	+	3	3	9	0	2	1

	OTHER AMERICAS *(cont.)*				OTHER AFRICA, ASIA & OCEANIA															
	VENEZUELA	TOTAL OTHER AMERICAS			JAPAN			INDIA			PAKISTAN	REP. OF KOREA		OTHER[b]	TOTAL OTHER A,A & O			WORLD TOTAL		
YEAR	A	H	R	A	H	R+C	A	H	R	A	A	R	A	R	H	R	A	H	R+C	A
1977	3	**17**	**24**	**35**	**4**	**74**	**29**	17	40	2	3	11	2	74	**17**	**125**	**7**	**379**	**484**	**309**
1978	3	**14**	**21**	**35**	**4**	**78**	**28**	18	42	2	2	11	2	80	**18**	**133**	**6**	**365**	**478**	**324**
1979	3	**13**	**25**	**35**	**3**	**80**	**31**	17	42	2	2	11	2	84	**17**	**137**	**6**	**349**	**489**	**338**
1980	3	**12**	**24**	**34**	**3**	**84**	**32**	14	42	2	3	10	2	90	**14**	**142**	**7**	**343**	**485**	**333**
1981	3	**9**	**21**	**32**	**4**	**82**	**32**	14	40	2	2	11	2	95	**14**	**146**	**6**	**332**	**474**	**298**
1982	3	**9**	**21**	**25**	**4**	**83**	**34**	14	38	2	2	8	2	96	**14**	**142**	**6**	**309**	**461**	**259**
1983	1	**8**	**17**	**24**	**3**	**82**	**32**	11	36	2	3	11	2	97	**11**	**144**	**7**	**306**	**458**	**274**
PRODUCING CAPACITY																				
1984	2	**12**	**26**	**40**	**10**	**92**	**34**	21	46	3	3	12	2	120	**21**	**178**	**8**	**376**	**559**	**342**
1985	2	**12**	**26**	**40**	**10**	**92**	**34**	21	46	3	3	12	2	120	**21**	**178**	**8**	**376**	**565**	**342**

H Means high tenacity (tire & industrial type) viscose rayon yarn

R Means regular+intermediate tenacity viscose rayon yarn

C Means cuprammonium rayon yarn

A Means acetate+triacetate yarn

a. Comprises Finland, Greece, Portugal, Switzerland and Turkey

b. Comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan

TABLE 6: WORLD GLASS FIBER PRODUCTION & PRODUCING CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1977	1978	1979	1980	1981	1982	1983	*1984*	*1985*
WEST EUROPE EAST EUROPE[a] }	292	304	310	300	277	250	290	*370* *50*	*370* *50*
U.S.A	357	419	460	393	472	408	530	*761*	*834*
OTHER AMERICAS	26	27	28	30	31	35	37	*60*	*60*
JAPAN	127	146	178	167	174	198	206	*238*	*260*
OTHER A.A & O[b]	13	12	12	13	14	12	14	*31*	*31*
TOTAL ABOVE	**815**	**908**	**988**	**903**	**968**	**903**	**1077**	***1510***	***1605***
CHINA P.R.C.	DATA ARE NOT AVAILABLE					30	30	*50*	*50*
U.S.S.R.						65	65	*100*	*100*

Glass fiber is defined on page 94 of this issue. The glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1984 (1984) and December 1985 (1985).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

TABLE 7: ESTIMATED WORLD CIGARETTE TOW PRODUCTION

THOUSAND METRIC TONS

AREA	1977	1978	1979	1980	1981	1982	1983
EUROPE[a]	67	76	74	74	81	81	80
U.S.A. OTHER AMERICAS[b] }	173	180	199	220	226	216	211
ASIA[c]	39	40	41	41	42	42	43
WORLD TOTAL	**279**	**296**	**314**	**335**	**349**	**339**	**334**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Rep. of Korea.

TABLE 8: WORLD ACETATE STAPLE PRODUCTION & CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1977	1978	1979	1980	1981	1982	1983	*1984*	*1985*
U.K.	0.7	0.5	0.5	0.3	0.2	0.2	0.2	*0.5*	*0.5*
U.S.A.	3.6	3.2	3.2	3.2	1.8	0.5	0.6	*1.8*	*1.8*
CANADA	1.7	0.6	0	0	0	0	0	*0*	*0*
INDIA	0.2	0.4	0.4	0.1	0.3	0.3	0.2	*0.8*	*0.8*
WORLD TOTAL	**6.2**	**4.7**	**4.1**	**3.6**	**2.3**	**1.0**	***1.0***	***3.1***	***3.1***

CORRECTION

The May 1984 and November 1984 noncellulosic yarn+monofilament and staple+tow capacity totals found on page 73 of the May 1984 *Organon* should be changed to read:

	YARN+MONO	STAPLE+TOW
May 1984	4518	4933
Nov 1984	4532	4972

TABLE 9: WORLD OLEFIN FIBER PRODUCTION

THOUSAND METRIC TONS

COUNTRY	1977	1978	1979	1980	1981	1982	1983
WEST EUROPE							
BENELUX	41	49	56	57	66	73	75
DENMARK	12	14	15	14	14	13	14
FRANCE	26	30	24	27	28	26	29
GERMANY, F.R.	51	52	57	53	56	55	61
IRELAND (EIRE)	6	5	6	9	9	8	9
ITALY	53	59	61	57	62	59	67
UNITED KINGDOM	79	80	82	80	81	76	80
SUBTOTAL EEC	**268**	**289**	**301**	**297**	**316**	**310**	**335**
AUSTRIA	15	18	19	18	17	19	20
FINLAND	3	3	3	3	3	3	4
GREECE/CYPRUS	8	9	10	9	9	9	10
NORWAY	3	3	4	4	4	4	5
PORTUGAL	27	39	38	40	38	38	39
SPAIN	35	36	37	38	38	36	36
SWEDEN	3	3	3	3	3	3	4
SWITZERLAND	3	3	3	3	3	3	4
TURKEY	5	6	5	5	5	5	6
TOTAL WEST EUROPE	**370**	**409**	**423**	**420**	**436**	**430**	**463**
EAST EUROPE							
CECHOSLOVAKIA	12	11	12	11	11	11	12
HUNGARY	8	10	13	15	16	16	16
POLAND	13	14	13	14	15	12	15
U.S.S.R.	12	12	15	15	15	14	18
U.S.A.							
YARN+MONOFIL	138	143	151	147	145	134	178
STAPLE	36	43	54	52	64	63	86
FILM FIBER	113	128	139	140	148	131	144
OTHER AMERICAS							
ARGENTINA	10	11	11	10	10	11	12
BRAZIL	33	40	39	40	40	39	36
CANADA	32	31	32	30	30	28	32
CHILE	0	1	1	1	1	1	1
EL SALVADOR GUATEMALA HONDURAS }	2	2	2	2	2	2	3
MEXICO	17	18	20	22	23	23	26
NICARAGUA	1	1	1	1	1	1	1
PERU	5	5	5	5	6	6	6
URUGUAY	2	1	1	1	2	1	2
JAPAN							
YARN+MONOFIL	15	16	18	16	14	14	14
STAPLE	25	27	29	27	26	26	29
FILM FIBER	45	NA	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	17	18	20	20	20	19	21
KOREA, REP. OF	6	7	8	4	3	2	1
PHILIPPINES	1	2	2	2	2	3	3
SOUTH AFRICA	9	3	3	3	3	3	5
TAIWAN	40	44	46	50	53	56	60
OTHER	+	+	+	+	+	+	1

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 115.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

1984 WORLD DIRECTORY OF MAN-MADE FIBER PRODUCERS

NOTES & DEFINITIONS

This directory of producers lists each country separately and divides them into the following categories:

(1) Cellulosic plus Noncellulosic Fibers
(2) Olefin fiber
(3) Textile glass fiber

The locality shown represents a plant site.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

- ● Indicates a company producing olefin fiber as well as other man made fiber(s). For example, Brasil Viscose S.A. produces olefin fiber in Brazil as well as nylon and rayon. The nylon and rayon entries for this company are in one section and the olefin entry is shown in the Olefin Fiber section.
- • Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1985 or later.

Yarn means filament yarn.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross section. Monofilaments for bristles are excluded.

Film includes **Slit**: tape produced by slitting an already attenuated wide sheet of olefin film; and **Split**: fibrillated slit film.

Not included in this survey is the slit film used for decorative or tying ribbon and such.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name and are shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber.

Glass fiber is produced and sold as filament yarn, strand, roving, mat, chopped strand, milled fiber and staple yarn & sliver. In addition, there are two primary uses for glass fiber: Textile, used by textile mills in conventional constructions (e.g. drapery and tire cord) or Non Textile, used for nonconventional constructions (e.g. reinforced plastics and roofing shingles).

For additional information see the definitions on page 163 of the November 1983 ***Organon*** and page 55 of the March/April 1984 ***Organon***.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulose acetate. Cigarette filtration tow is excluded.

Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

Cupra: Cuprammonium rayon.

The viscose rayon yarns are identified as **ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.

Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Azlon: Regenerated natural protein.

Nylon: A long chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.

Aramid: A long chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.

Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran: At least 80% vinylidene chloride by weight.

Spandex: At least 85% of segmented polyurethane.

Vinal: At least 50% by weight vinyl alcohol and wherein the vinyl alcohol plus acetal units are at least 85% by weight.

Vinyon: At least 85% vinyl chloride by weight.

Other man made fibers included in this survey, but not listed by the FTC, are **Polycarbonate** (U.S.A.), **Polychlal** (Japan), **Promix** (Japan) and **TFE- & FEP-fluorocarbon** (Fluoro) (Japan, U.S.A. & U.S.S.R.).

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

Carbon fibers are not included in this survey.

International Standard #2076, "Generic Names of Man-Made Fibres," as established by the International Organization for Standardization, lists some 23 names, of which the following are similar to the FTC designations: cupro, viscose, acetate, triacetate, acrylic, modacrylic, nylon or polyamide, polyester and glass. The IOS also lists modal (regenerated cellulose obtained by processes giving a high tenacity and a high wet modulus), alginate (metallic salts of alginic acid), chlorofibre (similar to the FTC's saran and vinyon), elastane (similar to the FTC's spandex), elastodiene, fluorofibre, polycarbamide, polyethylene & polypropylene (similar to the FTC's olefin), polyurethane, trivinyl and vinylal (similar to the FTC's vinal).

ALBANIA

(Producer not yet known)
Acrylic (staple)*
Polyester (staple)*

ARGENTINA

COAFI S.A.
Polyester Buenos Aires (yarn)

DUCILO S.A.I.C.
Nylon 66 Berazategui & Mercedes *Nylon Ducilo* (yarn)
Spandex Mercedes (fused multifil or coalesced monofil)

HISISA ARGENTINA S.A.I.C.I.F.
Acrylic Baradero *Cashmilon* (staple)

MANUFACTURAS DE FIBRAS SYNTETICAS (formerly Petroquimica Sudamericana)
Nylon 6 Olmos - Lapi (yarn)
Polyester Olmos - Lapi (yarn & staple)

MITEXTIL S.A.
Nylon 6 Buenos Aires (yarn)

M. NAHMIAS S.A.C.I.
Polyester Buenos Aires (yarn)

NICIEZA y TAVERNA HNOS. S.A.
Nylon 6 Chivilcoy *Grilon* (monofil)

RHODIA ARGENTINA QUIMICA e TEXTIL
Acetate Quilmes (yarn)
Polyester Quilmes *Tergal* (yarn)

SOCIEDAD NUEVAS INDUSTRIAS ARGENTINAS FIBRAS ARTIFICIALES S.A.I.C.F.I. (SNIAFA)
Nylon 6 Hernández-La Plata *Snialon* (yarn)
Rayon Platanos (reg yarn & staple)

SUDAMTEX S.A. TEXTIL SUDAMERICANA
Polyester Azul *Acrocel* (staple)

VALENCIANA ARGENTINA S.A.
Nylon 6 Buenos Aires (yarn)

OLEFIN FIBER

AGAPOL S.A. (P yarn)

MANUFACTURA FORTI ARGENTINA S.A.C.I.A.F.I. Buenos Aires (P yarn & staple)

PANAMERICA DE PLASTICOS S.A.I.C. Olivos (P staple)

TEXTILYUTE S.A.I.C. Isidro Casanova (P film)

VINISA S.A.I.C. Buenos Aires *Rafistal, Strofil* (E & P monofil)

GLASS FIBER

VIDRIERIA ARGENTINA S.A. (VASA)
Llavallol *Texover*

AUSTRALIA

FIBREMAKERS LTD.
Biconstituent Mulgrave, Victoria *Front Runner* (melded fabric)
Nylon 66 Bayswater, Victoria *Bri-Nylon* (yarn & monofil), Penrith, N.S.W. (tire cord)
Polyester Bayswater *Terylene* (yarn, staple & tow)

UNITED CARPET MILLS PTY. LTD.
Nylon 6 Thomastown, Victoria *Unilon* (yarn)
Polyester Thomastown (yarn)

In addition to the above, VILENE AUSTRALIA reportedly produces spunbonded products at Minto, N.S.W.; these are believed to be principally based on cellulosic fiber, but some polypropylene may be used.

AUSTRALIA (continued)

OLEFIN FIBER

AMOCO FABRICS COMPANY, PATCHOGUE PLYMOUTH DIVISION Liverpool, N.S.W. *Poly Bac, Propex* (P film)

SARLON INDUSTRIES PTY. LTD. Punchbowl, N.S.W. (E & P monofil & film)

OLEFIN FILM FIBER, only

A. ABRAHAMS & SONS PTY. LTD., Clayton, Victoria (*Koala, Polytex*)

CORDEX INDUSTRIES PTY. LTD., Gladesville, N.S.W.

GEO. KINNEAR & SONS PTY. LTD., Footscray, Victoria (*Emu*)

H. J. PENNO, Adelaide, South Australia

TAPEX PTY. LTD., Sydney, N.S.W.

GLASS FIBER

AUSTRALIAN FIBREGLASS PTY. LIMITED Dandenong, Victoria *A.C.I. Fibreglass*

AUSTRIA

AUSTRIA FASERWERKE G.m.b.H.
Polyester Lenzing *Trevira* (staple)

CHEMIEFASER LENZING A.G. ●
Fluoro Lenzing (yarn & staple)
Rayon Lenzing (staple)

GLANZSTOFF AUSTRIA G.m.b.H. (formerly Enka-Austria)
Rayon St. Polten (ind & reg yarn)

OLEFIN FIBER

CHEMIE LINZ A.G. Linz *Asota, Linz-PP-Multifil, Linz-PP-Vlies* (P yarn, staple & spunbonded)

OLEFIN FILM FIBER, only

CHEMIEFASER LENZING A.G., Lenzing

M. TEUFELBERGER, Wels

SEUTTER, Unter Eggendorf

BANGLADESH

ASHUGANJ PETROCHEMICAL COMPLEX
Acrylic Ashuganj* (staple)

BANGLADESH CHEMICAL INDUSTRIES
Rayon (staple)

KARNAPHULI RAYON AND CHEMICALS LIMITED
Rayon Chandraghona, Chittagong (reg yarn & staple*)

PYLON INDUSTRIES LIMITED
Nylon 6 Fouzdarhat Industrial Estate, Chittagong *Pylon* (yarn)

BELGIUM

N.V. BAYER S.A.
Nylon 6 Antwerpen *Dorix* (staple)

BEAULIEU-NYLON S.A. ●
Nylon 6 Kruishoutem, East Flanders (yarn)

N.V. CELANESE S.A.
Acetate Lanaken, Limburg (yarn)
Triacetate Lanaken (yarn)

FABELTA NINOVE S.A.
Rayon Ninove, East Flanders (reg yarn)

FABELTA ZWIJNAARDE S.A.
Nylon 66 Zwijnaarde, East Flanders *Fabelnyl* (yarn)

BELGIUM (continued)

OLEFIN FIBER

DELOTEX (P staple)

N.V. FIBRILO Zele, East Flanders (P staple & film)

S.A. LA LOKEROISE Lokeren, East Flanders *Alpha Carpet, Delta Carpet* (P yarn & staple)

OSTEND STORES & ROPEWORKS S.A. Ostend, West Flanders

POLYFIL N.V. (subsidiary of Beaulieu) Wielsbeke (P yarn)

T.T.C. POLYOLEFINS S.A. Overpelt, Limburg (P monofil)

OLEFIN FILM FIBER, only

N.V. JONCKVANSTEEN, Passendale

S.A PHORMIUM, Zele, East Flanders

POLYTEXCO S.P.R.L., Beveren, Kortryk

S.A. U.C.O., Ledeberg, Gent

GLASS FIBER

N.V. BAYER S.A. Antwerpen

OWENS-CORNING FIBERGLAS EUROPE S.A. Battice, Liege *Fiberglas*

Cellulosic production and capacity data are combined with the Netherlands on page 88-89. Noncellulosic production and capacity data are combined with the Netherlands and Luxembourg under "Benelux" on page 84-85.

BOLIVIA

FATIMA LTDA
Acrylic La Paz (staple)

TEXTURBOL TEXTURIZADORA BOLIVIANA
Polyester La Paz (yarn)

BRAZIL

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE●
Nylon 6 Igarassu, Pernambuco (monofil)

BANYLSA TECELAGEM DO BRASIL S.A.
Nylon 6 Aratu, Bahia (yarn)
Polyester Aratu *Fio Banylsa Poliester* (yarn)

BRASIL VISCOSE S.A.●
Nylon 6 Jundiapeba, São Paulo *Giorgilon* (staple)
Rayon Jundiapeba (staple)

CELANESE DO BRASIL - FIBRAS QUIMICAS LTDA.
Nylon 66 São Bernardo do Campo, São Paulo *Celtrel, Celtrel BCF* (yarn)
Polyester São Bernardo do Campo *Fortrel* (yarn), Pocos de Caldas, Minas Gerais *Fortrel* (staple)

CELANESE DO BRASIL NORDESTE S.A.
Polyester Aratu, Bahia *Fortrel* (yarn & staple)

CIA. BRASILEIRA DE SINTETICOS
Nylon 6 Osasco (yarn)
Polyester Osasco *Trevira* (yarn)

CIA. NITRO QUIMICA BRASILEIRA
Rayon São Miguel Paulista, São Paulo (reg yarn)

COBAFI - CIA. BAHIANA DE FIBRAS
Nylon 6 Camaçari, Bahia (yarn)
Polyester Camaçari (yarn & staple)

DE MILLUS S.A. INDUSTRIA E COMERCIO
Nylon 6 Rio de Janeiro *Demilon* (yarn)
Polyester Rio de Janeiro *Demilon* (yarn)

DU PONT S.A. INDÚSTRIAS QUIMICAS
Spandex Paulinia, São Paulo *Lycra* (fused multifil)

BRAZIL(continued)

EQUIPESCA - EQUIPAMENTOS DE PESCA S.A.
Nylon 6 Campinas, São Paulo (monofil)

FIAÇAO GRASILEIRA DE RAYON - FIBRA S.A.
Nylon 6 Americana & Osasco, São Paulo *Lilion* (yarn)
Polyester São Paulo (yarn)
Rayon Americana (reg yarn & staple)

FISIBA - FIBRAS SINTETICAS DA BAHIA S.A.
Acrylic Camacari, Bahia *Triana* (staple)

INDUSTRIAS MATARAZZO DE FIBRAS SINTETICAS S.A.
Nylon 6 São José dos Campos, São Paulo (yarn)

MANAP - MANUFATURA NACIONAL DE PLASTICOS●
Nylon 6 Osasco, São Paulo *Caicara* (monofil)

MARCATTO S.A. IND. E COM.●
Nylon 6 Jaraguá do Sul, Santa Catarina (monofil)

MAZZAFERRO POLIMEROS E FIBRAS SINTETICAS LTDA.
Nylon 6 São Bernardo do Campo, São Paulo *Grilon, Trilon* (yarn & monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS●
Nylon 6 São Paulo, São Paulo (monofil)

NOVELSPUMA - ESPUMA DE NYLON S.A.
Nylon 6 São Paulo, São Paulo (yarn)

POLYENKA S.A.
Polyester Americana, São Paulo *Diolen* (yarn)

POLYNOR S.A. INDÚSTRIA E COMÉRCIO DE FIBRAS SINTETICAS DA PARAIBA
Polyester João Pessoa, Paraiba *Amilon, Polynor* (yarn & staple)

RHODIA S.A.
Acetate Santo André, São Paulo (yarn)
Acrylic São José dos Campos, São Paulo *Crylor* (staple)
Nylon 66 Santo André *Dropnyl, Rhodianyl* (yarn & staple)
Polyester Santo André *Dropgal-Tergal, Tergal* (yarn & staple), São José dos Campos *Bidim* (spunbonded)
Rayon São José dos Campos (ind yarn & staple)

RHODIA NORDESTE S.A.
Polyester Cabo, Pernambuco *Dropgal, Tergal* (yarn & staple)

SEARA IND. TÉXTIL LTDA.●
Nylon 6 Londrina, Paraná (monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO●
Nylon 6 São Paulo (yarn)

OLEFIN FIBER

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE Igarassu, Pernambuco (E & P monofil)

BRASIL VISCOSE S.A. Jundiapeba, São Paulo (P staple)

ETRÚRIA S.A. INDÚSTRIA DE FIBRAS E FIOS SINTÉTICOS Mairinque, São Paulo (P staple)

FADEMAC - FABRICA DE MATERIAIS DE CONSTR. S.A. Jacarei, São Paulo (P staple)

FITESA - FIAÇAO TÉXTIL DE EMBALAGENS PLÁSTICAS S.A. Guaiba, Rio Grande do Sul (P staple) & Porto Alegre, Rio Grande do Sul (P film)

INYLBRA S.A. TAPETES E VELUDOS Diadema, São Paulo (P staple)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS Osasco, São Paulo (P monofil)

MARCATTO S.A. IND. E COM. Jaragua do Sul, Santa Catarina (E & P monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS São Paulo, São Paulo (P monofil)

SEARA IND. TÉXTIL LTDA. Londrina, Paraná (E & P monofil)

BRAZIL (continued)

SPUMAR S.A. INDUSTRIA E COMERCIO São Paulo, *Fibrilene, Polylene, Polyplan, Prolene* (P yarn, staple & film)

TAPETELENE - INDUSTRIA S.A. Pajucara/Maramguape, Ceare (P staple)

TINTORIA S.A. - BENEFICIAMENTO DE FIO (P yarn)

OLEFIN FILM FIBER, only

BRASMEN TOL CACAPAVA S.A., Cacapava, São Paulo

CACIQUE DE EMBALAGENS S.A. INDUSTRIA E COMERCIO, Londrina, Paraná

C.A.T.A. - CIA. AMAZONIA TEXTIL DE ANIAGEM S.A., Belem, Pará

CIA. FAB. YOLANDA S.A., Recife, Pernambuco

CIA. JAUENSE INDUSTRIAL, Jau, São Paulo

CIA. UNIAO MANUFATORA DE TECIDOS, Rio de Janeiro

DICOPLAST S.A. INDUSTRIA E COMERCIO DE PLASTICOS, Presidente Prudente, São Paulo

EMPLA - EMBALAGENS PLASTICAS S.A., Rio de Janeiro

FIBRASA IND. E COM. DE FIOS E EMBALAGENS S.A., Espirito Santo

FIBROTEX TECELAGEM DE FIBRAS S.A., São Paulo

IMPLASA - INDUSTRIA DE PLASTICOS ZANIOLO S.A., São Jose dos Pinhais, Paraná

INDUSTRIA TEXTIL TSUZUKI LTDA., Suzano, São Paulo

IPLAC DO BRASIL S.A. PLASTICOS INDUSTRIAIS, Fortaleza, Ceara*

NOVOPLAST IND. E COM. DE PLASTICOS, Nova Odessa, São Paulo

PLABASA - PLASTICOS DA BAHIA S.A., Salvador, Bahia

PLASMINAS - PLASTICOS MINAS LTDA., Tres Pontas, Minas Gerais

PLASTICOS DO PARANA LTDA., Londrina, Paraná

PLASTICOS LINIL S.A., Recife, Pernambuco

PLASTILIRA INDUSTRIA DE EMBALAGENS LTDA., Campinas, São Paulo

QUALITAS IND. E COM. LTDA., São Paulo

SACOPLAST/PLANOSA - PLASTICOS DO NORDESTE S.A., Natal, Rio Grande do Norte

GLASS FIBER

OCFIBRAS Rio Claro, São Paulo *Fiberglas*

BULGARIA

KOMBINAT "DIMITAR DOMOV"●
Acrylic Burgas *Bulana* (staple)
Nylon 6 Vidin *Vidlon* (yarn)
Polyester Yambol *Yambolen* (yarn, staple & tow)

KOMBINAT "SVILOSA"
Rayon Svishtov (reg yarn & staple)

OLEFIN FIBER

KOMBINAT "DIMITAR DOMOV" Yambol* (P staple)

CANADA

BADISCHE CANADA LIMITED
Nylon 6 Arnprior, Ontario *Zefran* (yarn & staple)

CELANESE CANADA INC., FIBRES DIVISION●
Acetate Drummondville, Quebec (yarn)

CANADA (continued)

CELANESE CANADA (MILLHAVEN) INC.
Polyester Millhaven, Ontario *Fortrel* (yarn, staple, tow & fiberfill)

COURTAULDS (CANADA) LIMITED
Rayon Cornwall, Ontario (staple)

DU PONT CANADA INC.●
Nylon 66 Kingston, Ontario *Antron, Cantrece, Du Pont* (yarn, staple & tow)
Polyester Kingston *Dacron* (yarn)
Spandex Maitland *Lycra* (fused multifil)

FIRESTONE TEXTILES CO. - A DIVISION OF FIRESTONE CANADA LTD. - LTEE.
Nylon 6 Woodstock, Ontario (yarn & monofil)

OLEFIN FIBER

AMOCO FABRICS CO. Brantford & Hawkesbury, Ontario (E & P monofil & P film)

CALKO MILLS LTD. Riviere du Loup, Quebec (P monofil)

CANADA WESTERN CORDAGE CO., LTD. New Westminster, B.C. (P monofil)

CELANESE CANADA INC., FIBRES DIVISION St. Jean, Quebec *Protel* (P yarn & staple)

DOON TWINES LTD. Kitchener, Ontario (P yarn, monofil & staple)

DU PONT CANADA INC. North Bay, Ontario (P film)

GUELPH TWINES LTD. Guelph, Ontario (P monofil & film)

NOVASTRAND St. John, New Brunswick (P monofil)

POLY-TWINE CORP. LTD. Belleville, Ontario & Saskatoon, Saskatchewan Polytie, PolyTwine, Spiralok (P monofil)

SCHLEGEL COMPANY CANADA Oakville, (P monofil)

STRUDEX FIBRES LTD., DIVISION OF KRAUS CARPET MILLS LTD. Waterloo, (P yarn & staple - captive)

OLEFIN FILM FIBER, only

FIBERWORLD, LTD., Hawkesbury, Ont.

POLYMER INTERNATIONAL (N.S.) LTD., Truro, N.S.

GLASS FIBER

FIBERGLAS CANADA LIMITED Guelph, Ontario Fiberglas

CHILE

GOODYEAR DE CHILE, S.A.I.C.
Nylon 6 Maipú, Santiago (yarn & monofil)

INDUSTRIAS QUIMICAS GENERALES S.A.
Rayon Quillota, Valparaiso (ind yarn & staple)

LANERA AUSTRAL S.A.
Polyester Santiago (yarn, staple & tops)

MANUFACTURAS SUMAR S.A.
Nylon 6 El Pinar 172, Santiago *Crilobal* (yarn)
Polyester El Pinar 172 *Poligal* (yarn & staple)

QUIMICA INDUSTRIAL S.A.
Polyester Maipú, Santiago *Polycron* (staple & tops)

"RAYONHIL," INDUSTRIA NACIONAL DE RAYON S.A.
Rayon Llolleo, Santiago (reg yarn & staple)

OLEFIN FIBER

TEJIDOS PLASTICOS INTERPLAST S.A. Santiago, Santiago (P film)

CHINA, PEOPLE'S REPUBLIC OF

Although reliable information on locations of man-made fiber plants in the People's Republic of China is not available, every effort has been made to make the following listing as complete as possible.

CHINA, PEOPLE'S REPUBLIC OF (continued)

RAYON and/or ACETATE PLANTS reported at: Amoy, Antung, Canton, Foshan, Kirin, Nanchang, Nanking, Paoting and Shanghai.

NYLON PLANTS reported at: Beijing; Hsinhsiang, Paoting Province; Jinzhou; Liaoyang; Pingdings; Shanghai; Shanyi; Sian; Sichuan; Sining; Tianjin; and Zhenjiang.

POLYESTER PLANTS reported at: Beijing; Fangshen, Beijing Province; Hangchow; Heilongjiang; Jinshan, Shanghai Province; Liaoyang; Nantong; Nanjing, Jiangsu Province; Shanghai; Sichuan; Tianjin; Tientsin; Xinhu; Yizheng; and Zhenjiang.

ACRYLIC PLANTS reported at: Chenchiang Harbin Province; Daquing; Lanzhou; Luda; and Shanghai.

NONCELLULOSIC PLANTS reported at: Beijing (vinal); Canton (vinyon); Chunking (vinyon); Foochow (vinyon); Lanzhou (olefin & vinal); Shanghai (vinyon); Shengli (vinyon); and Tientsin (vinyon).

The following three plants have been reported as producing glass fiber: Shanghai Glass Fiber Plant, Shanghai Tungfanghung Glass Fiber Plant and Tientsin Glass Fiber Plant.

COLOMBIA

CELANESE COLOMBIANA, S.A.

Acetate	Yumbo, near Cali, Valle del Cauca (yarn)
Nylon 6	Sabaneta, Antioquia *Nylocel* (yarn)
Polyester	Yumbo *Fortrel* (yarn & staple)

COLTEFIBRAS S.A.

Polyester	Igatui, Antioquia* (yarn & staple)

ENKA DE COLOMBIA S.A.

Nylon 6	Girardota, Antioquia *Enkalon* (yarn)
Polyester	Girardota *Terlenka* (yarn & staple)

FABRICA DE HILAZAS VANYLON S.A.

Nylon 6	Barranquilla, Atlántico *Vanylon* (yarn & monofil)

POLIMEROS COLOMBIANOS S.A.

Polyester	Medellin, Antioquia *Primel* (yarn, staple, tow & tops)

ZYLETTE (LAFAYETTE)

Polyester	Bogotá (yarn)

OLEFIN FILM FIBER, only

COMPANIA NACIONAL DE EMPAQUES S.A., Medellin

PLASTICOS DE MAGDELENA LTDA., Santa Marta

POLYMER DE COLOMBIA S.A., Cartagena

COSTA RICA

OLYMPIC FIBERS, S.A.

Polyester	San Antonio de Belén (yarn)

CUBA

INDUSTRIAS CONSOLIDADAS DE MATANZAS, S.A.

Rayon	Matanzas (ind & reg yarn & staple)

CYPRUS

OLEFIN FIBER

LORDOS POLYSAC (LIMASSOL) LIMITED Limassol (P film)

CZECHOSLOVAKIA

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P.●
(GEORGE DIMITROV CHEMICAL WORKS, NATIONAL CORP.)

Rayon	Bratislava, Slovakia (reg yarn & staple)

CHEMLON, N.P. (CHEMLON, NATIONAL CORPORATION)

Nylon 6	Humenné, Slovakia *Chemlon* (yarn)

CZECHOSLOVAKIA (continued)

CHEMOSVIT, N.P. (CHEMOSVIT, NATIONAL CORPORATION)●

Nylon 6	Svit, Slovakia *Sviton, Svitontex* (yarn & staple)
Rayon	Svit (reg yarn)

SEVEROCESKÉ CHEMICKÉ ZÁVODY, N.P.
(NORTH BOHEMIAN CHEMICAL WORKS, NATIONAL CORP.)

Rayon	Lovosice, Bohemia (ind yarn)

SILON, N.P. (SILON, NATIONAL CORPORATION)

Nylon 6	Planá nad Luznici, Bohemia *Silon* (yarn & monofil)
Polyester	Planá nad Luznic *Tesil, Tevyro, Velana* (staple, tow & fiberfill)

SLOVENSKÝ HODVÁB, N.P.
(SLOVAKIAN FILAMENT YARN, NATIONAL CORPORATION)

Polyester	Senica nad Myjavou, Slovakia *Slotera* (yarn)
Rayon	Senica nad Myjavou (reg yarn)

SPOLANA, N.P. (SPOLANA, NATIONAL CORPORATION)

Rayon	Neratovice, Bohemia (staple)

OLEFIN FIBER

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P. Bratislava *Istrona, Labren, Nobelex* (P yarn & staple)

CHEMOSVIT, N.P. Svit *Prolen, Texizol* (P yarn & spunbonded)

JUTA, N.P. Upice, Bohemia (P spunbonded)

OLEFIN FILM FIBER, only

JUTA, N.P. Adamov, Moravia and Bernartice u Trutnova, Dvur Králové, Jilemnice & Upice, Bohemia

POVAZSKÉ CHEMICKÉ ZÁVODY, N.P. Zilina, Slovakia

TECHNOLEN, N.P. Lomnice nad Popelkou, Bohemia

GLASS FIBER

SKLOPLAST, N.P. (SKLOPLAST, NATIONAL CORPORATION) Trnava, Slovakia (yarn, chopped strand & mat)

VERTEX, N.P. (VERTEX, NATIONAL CORPORATION) Litomysl, Bohemia (yarn, roving, mat & staple yarn)

DENMARK

OLEFIN FIBER

A/S FIBERTEX Aalborg (P staple)

ESBJERG TOVVAERKSFABRIK A/S Esbjerg *Westflex* (E & P monofil & film; P staple)

JACOB HOLM VARDE A/S Varde *Danaklon, IHS* (E & P staple & film), *Krenit* (P reinforcing fiber)

R.F.W. PLAST-INDUSTRI A/S Vejle (P film)

ROBLON A/S Frederikshavn (P film)

ECUADOR

ECUATORIANA DE TEJIDOS DE PUNTA

Polyester	Punta (yarn)

ENKADOR S.A.

Polyester	Sangolqui, Pichincha (yarn)

FIBRATEX S.A.

Polyester	Guayaquil, Guayas (yarn)

EGYPT

ESTABLISSEMENTS INDUSTRIELS POUR LA SOIE ET LE COTON S.A.A. (E.S.C.O.)

Rayon	Cairo (reg yarn)

MISR AL-AMIRIYA INDUSTRIAL FIBRE CO.

Polyester	Amiriya (yarn* & staple)

EGYPT (continued)

SOCIETE MISR POUR LA RAYONNE S.A.A. (MISR RAYON CO.)
Nylon 6 Kafr-el-Dawar *Misrnylon* (yarn), *Misrylon* (staple)
Polyester Kafr-el-Dawar *Polymisr* (yarn)
Rayon Kafr-el-Dawar (reg yarn & staple)

EL SALVADOR

OLEFIN FIBER

FILAMENTOS Y PERFILES, S.A. (FILPERSA) San Salvador *Duraplen* (E & P monofil)

SALVAPLASTIC, S.A. San Salvador (P monofil)

FINLAND

KEMIRA OY SÄTERI
Rayon Valkeakoski (staple)

LAPPFIBER OY
Nylon 66 Tornio (yarn)

OLEFIN FILM FIBER, only

MANILLA OY, Turku

PIIPPO OY, Lempaala

GLASS FIBER

A. AHLSTROM OY GLASSFIBRE Karhula *Kuitulasi* (roving & mat)

FRANCE

CELLATEX (a subsidiary of Rhône-Poulenc-Textile)
Rayon Givet, Ardennes, Grenoble, Isere (reg yarn)

COURTAULDS S.A.
Acrylic Pont du Leu, Coquelles, Pas-de-Calais *Courtelle* (staple)
Rayon Pont du Leu (staple)

ETS NYSAM
Nylon 6 St-Quentin, Aisne *Lilion* (yarn)

RHÔNE-POULENC-FIBERS (a subsidiary of Rhône-Poulenc-Textile)
Acrylic Colmar, Haut-Rhin *Crylor* (staple)
Nylon 66 Albi, Tarn, St-Laurent-Blangy, Pas-de-Calais, St. Quentin, Aisne & Valance, Drôme *Nylfrance* (yarn & staple)
Polyester Gauchy, Aisne & Valence *Bidim* (spunbonded), *Tergal* (yarn & staple)

RHOVYL (a subsidiary of Rhône-Poulenc-Textile)
Vinyon Tronville-en-Barrois, Meuse *Clevyl Rhovyl, Thermovyl* (yarn & staple)

SOCIETE CHOMARAT
Nylon 6 Mariac (yarn - captive)

OLEFIN FIBER

PLASTIQUE DE ROUBAIX Roubaix (P film & staple)

SODOCA FABRICATION DE NONTISSES SYNTHETIQUES S.A.R.L. Neuf Brisach, Haut-Rhin (P spunbonded)

OLEFIN FILM FIBER, only

ETS. AMMANN & CIE. Saint-Louis

ETS. BATAILLE Rosendael

BIHR FRERES S.A. Xertigny

BOUSSAC SAINT FRERES S.A. Flixecourt

SEINE & LYS Paris

GLASS FIBER

OWENS-CORNING FIBERGLAS FRANCE L'Ardoise, Gard *Fiberglas*

SAINT-GOBAIN INDUSTRIES, DIVISION VERRE TEXTILE Chambéry, Savoie *Silionne, Stratifil, Stratimat, Verrane*

GERMAN DEMOCRATIC REPUBLIC

DEUTSCHE DEMOKRATISCHE REPUBLIK (EASTERN)

(Those facilities indicated by # are part of the trust VEB Chemiefaserkombinat Schwarza "Wilhelm Pieck.")

VEB CHEMIEFASERKOMBINAT SCHWARZA "WILHELM PIECK"
Nylon 6 Schwarza, Krs. Rudolstadt *Dederon* (yarn)
Rayon Schwarza (staple)

CHEMIEFASERWERK "FRIEDRICH ENGELS"#
Acrylic Premnitz, Krs. Rathenow *Wolpryla* (staple)
Nylon 6 Premnitz *Dederon* (staple)
Polyester Premnitz *Grisuten* (staple)
Rayon Premnitz (reg yarn)

CHEMIEFASERWERK "WILHELM-PIECK-STADT" GUBEN#
Nylon 6 Guben *Dederon* (yarn & monofil)
Polyester Guben *Grisuten* (yarn)

KUNSTSEIDENWERK "CLARA ZETKIN," ELSTERBERG#
Rayon Elsterberg, Krs. Greiz (reg yarn)

SACHSISCHES KUNSTSEIDENWERK "SIEGFRIED RADEL"#
Polyester Pirna* (yarn)
Rayon Pirna (ind, reg & cupra yarn)

SACHSISCHE ZELLWOLLE#
Rayon Plauen (staple)

SPINNSTOFFWERK "OTTO BUCHWITZ"#
Rayon Glauchau (staple)

ZELLSTOFF- UND ZELLWOLLWERKE WITTENBERGE#
Rayon Wittenberge (staple)

VEB FILMFABRIK FOTOCHEMISCHES KOMBINAT
Acrylic Wolfen, Krs. Bitterfeld *Wolpryla* (staple)
Rayon Wolfen (ind yarn & staple)
Vinyon Wolfen *Piviacid* (staple)

GLASS FIBER

VEB GLASSEIDENWERK Oschatz *Glasseidengewebe, Glasseiden-Roving, Glasseiden-Stapelbindermatten, Glasseiden-Twist, Glasseiden-Zwirn, Roving-Gewebe*

GERMANY, FEDERAL REPUBLIC OF

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

BAYER A.G.
Acrylic Dormagen *Bayer-Textilfaser Dralon* (yarn & staple)
Nylon 6 Dormagen *Perlon-Draht* (monofil)
Spandex Dormagen *Bayer-Textilfaser Dorlastan* (fused multifil)

BOLTA WERKE G.m.b.H.
Saran Nurnberg *Bolta* (monofil)

DU PONT DE NEMOURS (DEUTSCHLAND)
Nylon 66 Uentrop, Kreis Unna (yarn & staple)
Polyester Uentrop *Dacron* (staple, tow & fiberfill)

ENKA A.G.
Nylon 6/66 Obernburg *Enka Nylon* (yarn), *Enka Perlon* (yarn)
Polyester Oberbruch & Obernburg *Diolen* (yarn & staple)
Rayon Kelsterbach, Oberbruch & Obernburg (ind & reg yarn)

E. HAHL KG●
Nylon 6 Munderkingen (staple)

FASERWERKE LINGEN G.m.b.H.
Acrylic Lingen (staple)

HOECHST A.G.
Acrylic Kelheim/Donau *Dolan* (staple)
Polyester Bad Hersfeld, Hessen & Bobingen/Augsburg-land *Trevira* (yarn, staple & spunbonded), *Trevira-Draht* (monofil)
Rayon Kelheim/Donau (staple)

ICI (EUROPA) FIBRES G.m.b.H.
Nylon 66 Ostringen *Timbrelle* (yarn & staple)
Polyester Ostringen *Terylene* (yarn)

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

KUNERT
Nylon 66 Duggendorf (yarn)
Polyester Duggendorf (yarn)

LUTRAVIL SPINNVLIES●
Nylon 6 Kaiserslautern *Lutrabond* (spunbonded)
Polyester Kaiserslautern *Lutradur* (spunbonded)

NORDDEUTSCHE FASERWERKE G.m.b.H.
Nylon 6/66 Neumunster *SIKS NYLON* (yarn), *SIKS PERLON* (yarn)
Polyester Neumunster *Avitron* (yarn)

PHOENIX GUMMIWERK A.G.
Saran Hamburg/Harburg *Harlan* (monofil)

HEINRICH REINHOLD KG●
Nylon 6 Selbitz, Bayern (staple)

RHODIA A.G.
Acetate Freiburg/Br. *RHIAKABEL* (tow)
Nylon 66 Freiburg/Br. & Rottweil a. N/Württ. *RHOA-fil Nyltest, RHOA-Spinnfaser, RHOA-tex HELANCA* (yarn & staple)
Polyester Freiburg/Br. *RHOA-fil TERGAL, RHOA-tex TERGAL* (yarn)

SPINNSTOFFFABRIK ZEHLENDORF A.G.
Polyester Berlin-Zehlendorf *Trevira* (yarn & staple)

WACKER-CHEMIE G.m.b.H.
Vinal München-Burghausen *Wacker MP-Faser* (staple)

OLEFIN FIBER

J. F. ADOLFF A.G. Backnang (P film)

AMOCO FABRICS CO., DIVISION OF AMOCO (DEUTSCHLAND) G.m.b.H. Gronau (P film & staple)

J. H. BENECKE G.m.b.H. Peine *Corovin* (P spunbonded)

R. B. J. RUDOLF BILLERMANN KG Emsdetten (P yarn & staple)

CHEMISCHE WERKE HÜLS A.G. Marl, Kreis Recklinghausen, Westphalia *Vestolan* (E & P monofil)

DYNAMIT NOBEL A.G. Troisdorf, Bez. Köln *Trofil* (E & P monofil & tow)

DEUFIL Bergkamen (P yarn)

FASERWERKE BOTTROP G.m.b.H. Bottrop (P staple)

FÜSSENER TEXTIL A.G. Fussen (P film)

GEO. GLEISTEIN & SOHN Bremen-Vegesack (P film & monofil)

E. HAHL KG Munderkingen (P monofil)

RUDOLF HILLER KG (P monofil)

LUTRAVIL SPINNVLIES Kaiserslautern *Lutrasil* (P spunbonded)

HEINRICH REINHOLD KG Selbitz/Bayern (P staple)

STEEN Hamburg (P staple)

WESTFALIA SPINNEREI U. KUNSTOFFWERK SCHEM KG Minden (P monofil & film)

OLEFIN FILM FIBER, only

BAUMHÜTER G.m.b.H., Wiedenbrück

BREMER WOLL-KÄMMEREI, Bremen-Blumenthal

ERNST JAEGER, Düsseldorf-Reisholz

HEINZ G. JUNEMANN (NORDHESSISCHE HAARWARENFABRIK), Felsberg

KUSGA KUNSTOFFGARNE G.m.b.H., Mainz

POLYDRESS PLASTIC G.m.b.H., Michelstadt

POLYUNION KUNSTOFFWERK, Mesum

SCHILGEN, Emsdetten

SPOHN G.m.b.H., Freiburg

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

B.T.F. TECKLENBORG & CO., Bremen-Grohn

DR. KARL WETEKAM & CO., Melsungen

GLASS FIBER

GEVETEX-TEXTILGLAS G.m.b.H., Aachen & Dortmund-Mengede *Gevetex*

SCHULLER GLASWERKE Westheim

GREECE

ETMA S.A.
Nylon 6/66 Athens (yarn)
Rayon Athens (reg yarn)

HELLENIC SYNTHETICS INDUSTRY
Polyester Kalogreza (yarn)

POLYETMA LTD.
Polyester Athens (yarn)

VOMVICRYL S.A. (affiliate of "Vomvix" S.A.)
Acrylic Stylis, near Lamia (staple, tow & tops)

"VOMVIX" S.A.
Nylon 6/66 Athens (yarn)
Polyester Athens (yarn)

OLEFIN FIBER

VIOFARM Argos (P staple)

OLEFIN FILM FIBER, only

ARIPLAST S.A. Athens

BIOSISAL Athens

DESSILA Piraeus

ELVISAK Athens

MARINE ROPE Athens

OLYMPIC ROPES Piraeus

SISAL ROPERY Salonika

C. VELLIS HEIRS S.A. Piraeus

VESY S.A. SYNTHETIC MATERIALS INDUSTRY Piraeus

GUATEMALA

HILOS SINTETICOS CENTROAMERICANOS, S.A.
Nylon 6 San José Pinula, Guatemala (yarn) (idle)

OLEFIN FIBER

CORDELERIA LA RAPIDA Guatemala, Guatemala (P monofil)

HONDURAS

OLEFIN FIBER

POLYMER, (subsidiary of United Brands) San Pedro Sula (P film)

HUNGARY

MAGYAR VISCOSAGYÁR (Hungarian Viscose Factory)●
Acrylic Nyergesújfalu *Crumeron* (staple)
Nylon 6 Nyergesújfalu *Danamid* (yarn & staple)
Rayon Nyergesújfalu (staple)

OLEFIN FIBER

KENDER JUTA TEXTILIPARJ V. Budapest (P film)

KENDERFONÓ ÉS SZÖVÖIPARI V. SZEGED Szeged (P film)

MAGYAR VISCOSAGYÁR Nyergesújfalu *Popril* (P staple)

SOPRONI SZÖNYEGGYÁR Sopron *Sopilen* (P yarn)

TISZA CHEMICAL COMBINE Lenin Varas (P staple)

INDIA

THE AHMEDABAD MFG. & CALICO PRINTING CO. LTD., CALICO POLYESTER FIBRE DIV.
Polyester Baroda, Gujarat *Ilacron* (staple)

ANDHRA PRADESH RAYONS LTD.
Rayon Kamalapuram, Warangal District, Andhra Pradesh* (staple)

THE BARODA RAYON CORPORATION LIMITED
Nylon 6 Udhna, Gujarat *Snialon* (yarn)
Polyester Udhna *Sniater* (yarn)
Rayon Udhna (reg yarn)

BONGAIGAON REFINERY AND PETROCHEMICALS LTD.
Polyester Goalpara, Assam* (staple)

CENTURY ENKA LIMITED
Nylon 6 Bhosari, Pune, Maharashtra* *Enkalon* (yarn)
Polyester Bhosari (yarn)

CENTURY RAYON (Prop.:The Century Spg. & Mfg. Co. Ltd.)
Rayon Kalyan, near Bombay, Maharashtra (ind & reg yarn)

CHEMICALS & FIBRES OF INDIA LIMITED
Polyester Thane, near Bombay, Maharashtra *Terene* (staple)

DOSHI SYNTHETICS
Polyester Kandla, Gujarat* (yarn)

GARWARE NYLONS LIMITED
Nylon 6 Pimpri, Pune, Maharashtra* *Garware* (yarn & monofil)
Polyester Pimpri (yarn)

THE GWALIOR RAYON SILK MFG. (WVG.) CO. LIMITED
Rayon Birlagram, Nagda, Madhya Pradesh & Birlakootoam, Mavoor, Kerala (staple)

INDIAN ORGANIC CHEMICALS LIMITED
Polyester Manali, Madras, Tamil Nadu *Futura* (staple)

INDIAN PETROCHEMICALS CORP. LTD.
Acrylic Vadodara, Baroda, Gujarat *Cashmilon* (staple)

THE INDIAN RAYON CORPORATION LIMITED
Rayon Veraval, Gujarat (reg yarn)

THE INDUSTRIAL PROMOTION & INVESTMENT CORPORATION OF ORISSA LTD.
Polyester Orissa* (staple)

J.K. RAYON, J.K. PURI
Rayon Kanpur, Utar Pradesh (reg yarn)

J.K. SYNTHETICS LIMITED
Acrylic Kota, Rajasthan *Jayacrylic* (staple)
Nylon 6 Kota *Jayanka, Jaycord, Jaykalon* (yarn, monofil & staple)
Polyester Calcutta, Kota, Orissa* *Jakaylene* (yarn & staple)

JAGITJIT COTTON TEXTILE MILLS LTD.
Nylon 6 Hoshiarpur, Punjab (yarn)

KANHAYA POLYSYNTHETICS
Polyester Gujarat, Kandla (staple)

KARNATAKA STATE INDUSTRIAL INVESTMENT AND DEVELOPMENT CORPORATION LIMITED
Polyester Karnataka* (staple)

KESORAM RAYON (Prop.: Kesoram Industries and Cotton Mills Ltd.)
Rayon Nayasarai, Hooghly, West Bengal (reg yarn)

M.P. STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD.
Polyester Madhya Pradesh* (staple)

MADURA COTAS LTD.
Nylon 6 Maedak, Andhra Pradesh* (yarn)

INDIA (continued)

MODIPON LIMITED
Nylon 6 Modinagar, Utar Pradesh *Modipon* (yarn)
Polyester Modinagar (yarn)

THE NATIONAL RAYON CORPORATION LIMITED
Nylon 6 Mohone-Kalyan, near Bombay, Maharashtra* *N.R.C.* (yarn)
Rayon Mohone-Kalyan (ind & reg yarn)

NIRLON SYNTHETIC FIBRES & CHEMICALS LIMITED
Nylon 6 Bombay, Maharashtra *Nircord, Nirlon* (yarn & monofil)
Polyester Bombay *Nirester* (yarn)

ORKAY SILK MILLS PVT. LTD.
Polyester Patalganga, Maharashtra* (yarn)

P.O. PETROCHEMICALS
Acrylic Vadodara, Gujarat* (staple)
Polyester Baroda, Gujarat* (staple)

PASUPATI ACRYLON LIMITED
Acrylic Moradabad, Uttar Pradesh* (staple)

PETROFILS COOPERATIVE LIMITED
Polyester Jawaharnagar, Baroda, Gujarat (yarn)

PRADESHIYA INDUSTRIAL INVESTMENT CORPORATION OF UTTAR PRADESH
Polyester Uttar Pradesh* (yarn & staple)

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORP. LTD.
Polyester Punjab (staple)

RELIANCE TEXTILE INDUSTRIES LTD.
Polyester Patalganga, Maharashtra* (yarn)

SHREE SYNTHETICS LIMITED
Nylon 6 Naulakhi, Ujain, Madhya Pradesh *Shreelon* (yarn)
Polyester Naulakhi *Shreester* (yarn)

SHRIRAM FIBRES LIMITED
Nylon 6 Manali, Madras, Tamil Nadu *Tufcord* (yarn)

SHRIRAM RAYONS
Rayon Kota, Rajasthan (ind yarn)

THE SIRSILK LIMITED
Acetate Sirpur-Kaghaznagar, Andhra Pradesh (yarn & staple)

SOUTH INDIA VISCOSE LIMITED
Rayon Sirumughai, near Mettupalayam, Tamil Nadu (reg yarn & staple)

STRETCH FIBRES (INDIA) LIMITED
Nylon 6 Nagpur, Maharashtra *SF* (yarn)

SWADESHI POLYTEX LIMITED
Polyester Gaziabad, Uttar Pradesh *Jailene* (staple)

TAMIL NADU INDUSTRIAL DEVELOPMENT CORP.
Polyester Madras, Tamil Nadu* (staple)
Rayon Madras* (staple)

THE TRAVANCORE RAYONS LIMITED
Rayon Rayonpuram, Kerala (reg yarn)

TUNGABHADRA FIBRES LTD.
Rayon Tungabhadra, Andhra Pradesh (staple)

OLEFIN FIBER

ACME INVESTMENTS LTD. Panki Industrial Area, Kanpur* (P yarn)

ANIL KUMAR JAIN Ankleshwar, Gujarat* (P yarn)

GUPTA NEEDLE INDUSTRIES PVT. LTD. Dharuhera, Haryana* (P yarn)

INDO SYNTHETICS CORP. (P yarn*)

J.K. BHAGAT Bhiwand, Alwar, Rajasthan* (P yarn)

KALYANI ASBESTOS CEMENT PVT. LTD. Kalol, Gujarat* (P yarn)

NEOMER LIMITED Baroda, Panchmahal, Gujarat *Proplon* (P staple)

NIAGARA INTERNATIONAL (P yarn*)

INDIA (continued)

POLYPROP INDUSTRIES Dharuhera, Haryana* (P yarn)

RAJENDRA V. PATEL Cambay, Gujarat* (P yarn)

SANJEEV SHRIYA Uttar Pradesh* (P yarn)

GLASS FIBER

FIBREGLASS PILKINGTON LIMITED Thane, near Bombay, Maharashtra

U. P. TWIGA FIBREGLASS Sikandarabad, Uttar Pradesh

INDONESIA

P.T. BERKAT INDAH AGUNG
Rayon Tangerang, West Java* (staple)

INDONESIA PENELITIAN SELULOSA (Cellulose Research Institute)
Rayon Bandung (pilot plant) (ind & reg yarn & staple)

P.T. INDO-BHARAT RAYON
Rayon Desa Cilangkap, Purwakarta (staple)

P. T. INDONESIA ASAHI CHEMICAL
Nylon 6 Jatiluhur, Purwakarta, West Java (yarn)

P. T. INDONESIA TORAY SYNTHETICS
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang (staple)

P.T. INDUSTRI SANDANG I
Polyester Tangerang* (staple)

P.T. INDUSTRI SANDANG II
Rayon South Sumatra* & West Kalimantan* (staple)

P.T. KUMA FIBER (P.T. Kuraray Manunggal Fibre Industries)
Polyester Cikokol, Tangerang, West Java (staple)

P. T. SHINTA-INDAH DJAYA
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang *Shinta* (yarn)

P. T. SOUTH PACIFIC VISCOSE
Rayon Purwakarta, West Java (staple)

P. T. SUSILIA INDAH SYNTHETIC FIBRES INDUSTRIES
Polyester Tangerang, West Java (yarn)

P. T. TEXMACO TAMAN SYNTHETIC
Polyester Kaliwungu Kendal, West Java (yarn)

P. T. TIFICO (P. T. Teijin Indonesia Fibre Corp.)
Polyester Tangerang, West Java (yarn & staple)

P. T. TOLARAM
Polyester (yarn)

P. T. TRI REMPOA SOLO SYNTHETIC
Polyester Rempon, Tangerang, West Java* (staple)

P. T. YASINTA
Polyester Tangerang, West Java (yarn)

IRAN

PARSYLON CORPORATION
Nylon 6 Khoram-Abad* (yarn)

POLYACRYL IRAN CORPORATION
Acrylic Isfahan (staple)
Polyester Isfahan (yarn & staple)

SHERKAT SAHAMI ALIAF
Nylon 6 Tehran *Aliaf* (yarn)

OLEFIN FIBER

JAHANCITT SPINNING & WEAVING CO. Tehran (P film)

IRAQ

HINDIYA RAYON FACTORY
Rayon Hindiya (reg yarn & staple)

IRELAND, REPUBLIC OF (EIRE)

ASAHI SYNTHETIC FIBRES (IRELAND) LTD.
Acrylic Ballina, Mayo *Cashmilon* (staple)

LIRELLE (IRELAND) LTD. (A Division of Unifi, Inc.)
Polyester Letterkenny *Lirelle* (yarn)

WELLMAN INTERNATIONAL LTD.
Nylon 6 & 66 Mullagh, Kells, Meath *Wellon* (staple)
Polyester Mullagh *Filwell*, *Wellene* (staple)

OLEFIN FIBER

F. DRAKE (IRELAND) LTD. Moate, Westmeath (P staple)

J. & L. F. GOODBODY (SYNTHETICS) LTD. Clara, Offaly (P yarn & film)

OLEFIN FILM FIBER, only

IRISH POLYSACKS LTD. Blarney, Cork

IRISH ROPES LTD. Newbridge, Kildare

POLYTEX LTD.

ISRAEL

ISRAEL CHEMICAL FIBRES LIMITED
Acrylic Ashdod (staple & tow)

NILIT
Nylon 66 Migdal Ha-Emek (yarn)
Polyester Migdal Ha-Emek (yarn)

ITALY

ALBATESSILE S.p.A.
Polyester Alba, Piemonte (yarn)

ANICFIBRE S.p.A.
Acrylic Ottana & Porto Torres, Sardegna *Euroacril* (staple & tow)
Nylon 6 Pisticci, Lucania *Nivion* (yarn & staple)
Polyester Ottana & Pisticci *Fidion* (staple & tow)
Polyesteramide Pisticci (pilot plant) (yarn & staple)

AQUAFIL S.p.A.
Nylon 6 Arco di Trento, Trentino *Aqualon* (yarn)
Polyester Arco di Trento (yarn)

BEMBERG S.p.A.
Nylon 6 Gozzano, Piemonte *Ortalion* (yarn)
Rayon Gozzano (cupra yarn)

CARPEFIN S.p.A. (affiliate of Anicfibre)
Nylon 6 Forli, Emilia Romagna (yarn)

FILATURA DI VAL LESINA S.p.A.
Polyester Andalo Valtellino, Lombardia *Valena* (yarn)

FIMALON S.p.A.
Nylon 66 Castelnuovo Valsugana, Trentino Alto Adige (yarn)

FORTEX SIDAC S.p.A.
Nylon 6 Forli, Emilia Romagna *Forlion* (yarn)

FRATELLI FRANCHI S.p.A.
Nylon 6 Canapale, Toscana *Frankilon* (yarn)
Polyester Canapale *Frankilene* (yarn)

MEMOFIL
Nylon 6 Potenza, Basilicata (yarn)

ITALY (continued)

MONTEFIBRE GROUP●

CHATILLON S.p.A.

Acetate	Vercelli, Piemonte (yarn)

SOCIETÀ ITALIANA POLIESTERE S.p.A.

Polyester	Acerra, Campania *Terital* (yarn, staple & tow)

SOCIETÀ ITALIANA PRODOTTI ACRILIC S.p.A.

Acrylic	Porto Marghera, Veneto *Leacril* (staple & tow)

NOVACETA S.p.A.

Acetate	Magenta, Lombardia (yarn)

RADICI FIL S.p.A.

Nylon 6	Casnigo, Lombardia *Radital* (yarn & staple)

SETTE STELLE

Nylon 6	Castelgoffredo, Lombardia (yarn)

SNIA FIBRE S.p.A.

Acrylic	Cesano Maderno, Lombardia & Villacidro, Sardegna *Velicren* (staple & tow)
Nylon 6	Castellaccio, Lazio; Cesano Maderno; Varedo, Lombardia; & Villacidro *Lilion* (yarn, staple & tow); Napoli, Campania *Lilionette, Liliontec* (spunbonded)
Polyester	Napoli *Wistel* (yarn)
Rayon	Rieti, Lazio (reg yarn)

SOCIETÀ INDUSTRIALE CREMONESE S.p.A.

Rayon	Pizzighettone, Lombardia (ind yarn)

TICFIL

Nylon 6	Caronno Pertusella (yarn)

TORCITURA DI BORGOMANERO S.p.A.

Nylon 6	Milano, Lombardia *Borgolon* (yarn)

OLEFIN FIBER

EUROFIL Gandino, Lombardia (P staple)

FILATURA I DELEBIO S.p.A. Delebio, Lombardia *Delebion* (P yarn)

FILLI FRANA Casnigo, Lombardia (P staple & film)

I.T.S. Legnano, Lombardia (P yarn)

HIMONT ITALIA S.p.A. (Formerly Merak S.p.A. and Neofil S.p.A.) Terni, Umbria *Meraklon* (P yarn & staple)

NOVASAR Caronno Pertusella, Lombardia (P yarn & staple)

POLYMECON Zibido S. Giacomo, Lombardia (P staple & film)

SERGEL Casnigo, Lombardia (P staple & film)

SINTOFIL Como, Lombardia (P monofil)

TEXTILE PRODUKTE Villa D'Ogna, Lombardia (P staple)

OLEFIN FILM FIBER, only

CARPET BACKING S.p.A. Ceniga

I.T.P.

LICANA NORD S.p.A. Cassano d'Adda (Milano)

DE MAGISTRIS EMILIO Bagnolo Cremasco

MILANPLAST s.r.l. Milano

MOPLEFAN S.p.A. Milano

NEOFIBRE s.r.l. Lendinara

SACHIM (MUMMOLO) Bari

S.E.A.L. S.p.A. Milano

S.I.S.A.L. S.p.A. Piacenza

STIROSIR S.p.A. Milano

TESSITURA LOMBARDA DI CONSONNI ELIA ALBIATE

TEXTILE GLASS FIBER

MONTEDISON Vado Ligure, Liguria

VETROTEX ITALIA Besana Brianza, Lombardia (yarn)

JAPAN

ASAHI CHEMICAL INDUSTRY CO., LTD.

Acrylic	Fuji *Cashmilon, Pewlon* (yarn & staple)
Nylon 6/66	Moriyama & Nobeoka *Asahi Kasei Nylon, Leona* (yarn, monofil & spunbonded)
Polyester	Nobeoka *Asahi Kasei Ester* (yarn)
Rayon	Nobeoka (reg & cupra yarn, cupra staple & cupra spunbonded)
Saran	Suzuka (yarn, monofil & staple)
Spandex	Moriyama *Roica*

DAIWABO CO., LTD.●

Rayon	Masuda (staple)

FUJI SPINNING CO., LTD.

Rayon	Toyo (staple)
Spandex	Kozakai *Fujibo Spandex*

JAPAN EXLAN CO., LTD.

Acrylic	Saidaiji *Exlan* (staple)

KANEBO RAYON, LTD.

Rayon	Hofu (staple)

KANEBO SYNTHETIC FIBERS, LTD.

Acrylic	Hofu *Kanebo Acryl* (staple)
Nylon 6	Hofu *Kanebo Nylon* (yarn)
Polyester	Hofu & Sabae *Kanebo Polyester* (yarn)
Spandex	Hofu *Kanebo Spandex*

KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD.

Modacrylic	Takasago *Kanecaron, Kanekalon* (staple & tow)

KOHJIN CO., LTD.

Polychlal	Yatsushiro *Cordelan* (staple)
Rayon	Yatsushiro (staple)

KURARAY CO., LTD.

Polyester	Saijo & Tamashima *Kuraray Polyester* (yarn & staple)
Rayon	Kurashiki, Saijo & Tamashima (reg yarn)
Vinal	Okayama *Cremona, Kuralon* (yarn, monofil & staple)

KUREHA CHEMICAL INDUSTRY CO., LTD.

Saran	Kaibara & Mibu *Krehalon* (yarn & monofil)
Vinyon	Mibu *Viclon* (monofil)

MITSUBISHI ACETATE CO., LTD.

Acetate	Toyama (yarn & tow)
Triacetate	Toyama (yarn)

MITSUBISHI RAYON CO., LTD.●

Acrylic	Otake *Finel, Silpalon, Vonnel* (yarn & staple)
Polyester	Toyohashi *Soluna* (yarn), Lunaace (staple)

NIPPON ESTER CO., LTD. (subsidiary of Unitika, Kanebo and Mitsubishi Chemical Industry)

Polyester	Okazaki & Sabae *Kanebo Ester, Unitika Ester* (yarn & staple)

NISSHIN SPINNING CO., LTD.

Rayon	Tokushima (staple)
Spandex	Tokushima *Mobilon*

NITIVY CO., LTD.

Vinal	Fujieda *Niti-Vilon, Solvron, Vilon* (yarn)

NITTO BOSEKI CO., LTD.● (See Ube-Nitto Kasei)

Rayon	Fukuyama (staple)

OMIKENSHI CO., LTD.

Rayon	Kakogawa (staple)

TEIJIN LTD.

Aramid	Iwakuni *Teijinconex* (staple)
Nylon 6	Mihara *Teijin Nylon* (yarn)
Polyester	Ehime, Iwakuni, Matsuyama & Tokuyama *Teijin-Tetoron (yarn & staple)*
Vinyon	Iwakuni *Teviron* (yarn)

TEIJIN ACETATE LTD. (subsidiary of Teijin Ltd.)

Acetate	Matsuyama (yarn)

JAPAN (continued)

TOHO BESLON CO., LTD.
Acrylic Mishima *Beslon* (staple & tow)

TOHO RAYON CO., LTD.
Rayon Tokushima *Tovis* (staple)

TORAY INDUSTRIES, INC.
Acrylic Ehime *Toraylon* (staple)
Fluoro Ehime (pilot plant) *Toyoflon* (yarn)
Nylon 6 Aichi, Ishikawa*, Nagoya, Okazaki, Otsu & Shiga *Amilan, Toray Nylon* (yarn & staple)
Nylon 6/66 copolymer Aichi *Tapilon* (yarn)
Nylon 66 Aichi *Promilan* (yarn)
Polyester Ehime, Ishikawa & Okazaki *Toray Tetoron* (yarn & staple)

TORAY-MONOFILAMENT CO., LTD.
Nylon 6 Okazaki *Toray Nylon* (monofil & staple*)

TOYO CHEMICAL CO., LTD.
Vinyon Ofuna *Envilon* (yarn & monofil)

TOYO PRODUCTS CO., LTD.
Spandex Shiga *Opelon* (fused multifil)

TOYOBO CO., LTD.●
Nylon 6 Tsuruga *Toyobo Nylon* (yarn)
Polyester Iwakuni & Tsuruga *Toyobo Ester* (yarn & staple)
Promix Tsuruga *Chinon* (yarn)
Rayon Iwakuni *Tufcel* (staple)
Spandex Tsuruga *Espa*

TOYOBO PETCORD CO., LTD.
Polyester Tsuruga *Toyobo Petcord* (yarn)

UNITIKA LTD.
Nylon 6 Uji *Unitika* (yarn, monofil & staple)
Polyester Okazaki *Marix* (ind yarn & spunbonded)

UNITIKA KASEI CO., LTD.
Vinal Sakoshi (Akoh City) *Mewlon* (yarn, monofil & staple)

UNITIKA RAYON CO., LTD.
Rayon Okazaki & Uji (ind & reg yarn)

YOSHIDA KOGYO K.K.
Polyester Kurobe (yarn)

OLEFIN FIBER

CHISSO POLYPRO FIBER CO., LTD. Moriyama *Chisso Polypro, ES Fiber* (P yarn & staple)

DAIWABO CO., LTD. Harima *Daiwabo Polypro, NBF Fiber* (E & P staple)

HAGIHARA INDUSTRY CO., LTD. Kurashiki (E monofil & film)

HIRATA SPINNING CO., LTD. Yokkaichi *Hiralon* (E & P yarn & monofil)

INABA SEIKO, LTD. Gamagori (E monofil)

KANEYA SEIKO, LTD. Hokkaido & Kushiro (P monofil)

MARUAI CO., LTD. Toyohashi (E monofil)

MITSUBISHI RAYON CO., LTD. Toyohashi *Mitsubishi Pylen* (P yarn & monofil)

MITSUI TOATSU CHEMICALS, INC. Iwakuni (Pilot Plant) & Nagoya *Hi-Zex* (E monofil)

NAGANO KAKO CO., LTD. Nagano (E monofil)

SHOWA POLYMER CO., LTD. Ibaraki (E monofil & film)

TAI-RAY CO., LTD. Mito *Danzex, Danzex Lite, Liplon* (E monofil, P yarn & monofil)

TANIYAMA CHEMICAL INDUSTRY CO., LTD. Okayama *Tanikalon* (E monofil)

TOA WOOL SPINNING & WEAVING CO., LTD. Tomari *Toabo Polypro* (P staple)

JAPAN (continued)

TONEN SEKIYUKAGAKU K.K. (TONEN PETROCHEMICAL CO., LTD.) Kawasaki *Tapyrus* (P spunbonded)

TOYOBO CO., LTD. Osaka (Pilot Plant) (E monofil)

UBE-NITTO KASEI CO., LTD. Fukuyama & Gifu *Sun Line, Ube-Nitto Polypro* (E monofil & P yarn, monofil & staple)

OLEFIN FILM FIBER, only

DAIDO KASEI Osaka

FUJIMOTO SANGYO Osaka

OKAMOTO CHEMICAL Ehime

SAKAI KASEI Osaka

SANSO JUSHI Yokkaichi

SANTO CHEMICAL Aichi

SEKISUI CHEMICAL Amagasaki & Nara

TOYAMA Chiba

WAKO SPINNING CO. Gifu

YAMAJIN TEXTILE Fukui

GLASS FIBER

ASAHI FIBER GLASS CO., LTD. Ibaraki & Shonan *Glasslon*

ASAHI-SCHWEBEL CO., LTD. Moriyama

CENTRAL GLASSFIBER CO., LTD. Matsusaka

FUJI FIBER GLASS CO. Moka

KANEBO, LTD. Gunma *Textoglass*

NIPPON GLASS FIBER CO., LTD. Ibaraki & Tsu *Micro Glass*

THE NIPPON MINERAL FIBER MFG. CO. Tarui & Yuki *Superfine*

NITTO BOSEKI CO., LTD. Fukushima *Iceberg*

PARAMOUNT GLASS MFG. CO., LTD. Koriyama & Suzuka *Fether Glass*

UNITIKA U.M. GLASS CO., LTD. Kyoto *Unitika U.M.*

KENYA

AFRICA SYNTHETIC FIBER LTD.
Nylon 6 Thika (yarn)
Polyester Thika (staple)

JAYDEES KNITTING LTD.
Polyester Nairobi (yarn)

KENYA FIBRE CORPORATION LTD.
Polyester Nanyuki (yarn & staple)

SUN FLAG LTD.
Polyester (yarn)

OLEFIN FIBER

UNISACK LTD. Thika (P film)

KOREA PEOPLE'S DEMOCRATIC REPUBLIC OF (NORTH)

A number of man-made fiber plants are said to be operating in North Korea (see June 1970 *Organon* issue, page 113); however, no data for this country are recorded in any table of this issue due to lack of reliable information.

KOREA REPUBLIC OF (SOUTH)

CHEIL SYNTHETIC TEXTILES COMPANY
Polyester Kumi *Eslon* (yarn & staple)

KOREA
REPUBLIC OF (SOUTH) (continued)

DAEHAN SYNTHETIC FIBER COMPANY
Polyester Pusan & Ulsan *Acelan* (yarn & staple)

GORYEO NYLON CORPORATION LTD.
Nylon 6 Sungsumuyn (yarn)

HANIL SYNTHETIC FIBER INDUSTRIAL COMPANY
Acrylic Masan *Cashmilon* (staple)

JEIL SYNTHETIC FIBERS COMPANY●
Polyester Seoul *Oplen* (yarn)

KOHAP, LTD.●
Nylon 6 Shihung *Palmylon* (yarn & staple)
Polyester Shihung (yarn & staple)

KOLON INDUSTRIES INC.
Nylon 6 Kumi, Sungsumyun & Taegu *Kolon* (yarn)
Polyester Kumi *Kolon* (yarn)

SAMYANG COMPANY, LTD.
Polyester Chunju *Triron* (yarn & staple)

SUNKYUNG FIBRES LTD.
Acetate Suwon (yarn & tow)
Polyester Suwon & Ulsan *Sunkyung* (yarn & staple)

TAE KWANG INDUSTRIAL COMPANY
Acrylic Ulsan *Acelan* (staple)
Spandex Ulsan

TONG KOOK FIBRES LTD.
Polyester Kumi* (yarn)

TONG YANG NYLON COMPANY
Nylon 6 Anyang & Ulsan *Toplon* (yarn)
Polyester Ulsan *Toplon* (yarn)

TONG YANG POLYESTER COMPANY
Polyester Ulsan *Toplon* (yarn)

WONJIN RAYON COMPANY, LTD.
Rayon Donong *Coray* (reg yarn & staple)

OLEFIN FIBER

JEIL SYNTHETIC FIBERS COMPANY Seoul *Oplene* (P yarn & staple)

KOHAP, LTD. Shihung *Happylon, Pylon* (P staple)

KUMSUNG SYNTHETIC FIBER CO., LTD. Seoul *Hopelon, Polon* (P staple) (idle)

LIBYA

LIBYA NATIONAL OIL CORPORATION (LINOCO)
Nylon 6 Marsa Al-Brega* (yarn)
Polyester Marsa Al-Brega* (staple)

LUXEMBOURG

TECHNOFIBRES
Polyester Mertert (yarn)

Production and capacity data are combined with Belgium and the Netherlands under "Benelux" on page 84.

OLEFIN FIBER

DU PONT FIBRES S.A. Contern-Hesperange *Typar* (P spunbonded)

MALAYSIA

PENFIBRE SDN. BHD.
Polyester Penang (staple)

MALTA

NYLON KNITTING CO. LTD.
Nylon 6 Qormi (yarn)

Production and capacity data are combined with Italy.

MEXICO

CELANESE MEXICANA, S.A.
Acetate Ocotlán, Jalisco (yarn & staple)
Acrylic Zacapu, Michoacán (staple, tow & tops)
Nylon 6 Ocotlán & Toluca, México *Duracel, Nycel* (yarn & staple)
Polyester Ocotlán, Querétaro, Querétaro & Toluca *Crolan* (yarn & staple)
Rayon Zacapu (ind & reg yarn & staple)

CELULOSA Y DERIVADOS, S.A.
Acrylic Atequiza, Jalisco *Crysel* (staple, tow & tops)
Rayon Monterrey, Nuevo León (ind & reg yarn)

FIBRAS QUIMICAS, S.A.
Nylon 6 Monterrey, Nuevo León *Supernylon Cydsa* (yarn & monofil)
Polyester Monterrey *Terlenka* (yarn)

FIBRAS SINTETICAS, S.A.
Acrylic Cotaxtla, Veracruz *Fisisa* (staple, tow & tops)
Nylon 6 Cotaxtla *Fisisa* (yarn & monofil)
Polyester Cotaxtla & México *Fisisa* (yarn & staple)

FIBRASOMNI, S.A.●
Nylon 6 Ixtapalapa, D.F. *Omni-Nylon* (monofil)
Saran Ixtapalapa *Omni-Saran* (monofil)

FINACRIL, S.A.
Acrylic Altamira (staple, tow & tops)

INDUSTRIAS PETROQUIMICAS MEXICANAS, S.A.
Polyester El Salto, Jalisco *Inpetmex* (yarn)

KIMEX S.A.
Nylon 6 Tlalnepantla, México *Aztecron* (yarn)
Polyester Tlalnepantla *Kintrel* (yarn)

NYLON DE MEXICO, S.A.
Nylon 6 La Leona, Nuevo León *Nylfil* (yarn & staple)
Polyester La Leona *Delcron* (yarn, staple, tow & fiberfill)
Spandex La Leona *Likra* (fused multifil)

OLEFIN FIBER

FIBRASOMNI, S.A. Ixtapalapa, D.F. *Politen-Omni* (E monofil), *Polyprop-Omni* (P yarn & monofil)

INDUSTRIAS POLIFIL, S.A. Ixtacuixtla, Tlaxcala *Pliana* (P yarn & staple)

PLASTICOS INDUSTRIALIZADOS, S.A. Monterrey, Nuevo León (P staple)

OLEFIN FILM FIBER, only

HILOS Y CORDELES, S.A. Tlalnepantla, México

PLASTICEL, S.A. Monterrey, Nuevo León (*Plasticel*)

POLISAC, S.A. (affiliate of Nylon de México, S.A.), Guadalajara, Jalisco (*Polisac*)

GLASS FIBER

VITRO-FIBRAS, S.A. Zacatenco, D.F. *Vitro-Fibras*

NETHERLANDS

DU PONT DE NEMOURS (NEDERLAND) N.V.
Spandex Dordrecht *Lycra* (fused multifil)

ENKA B.V.
Aramid Arnhem, Emmen *Arenka* (yarn)
Nylon 6 Emmen *Enka Perlon, Enkalon* (yarn)
Polyester Emmen *Diolen, Terlenka* (yarn & staple)
Rayon Arnhem (ind yarn) & Ede (reg yarn)

NETHERLANDS (continued)

OLEFIN FIBER

LANKHORST TOUWFABRIEKEN B.V. Sneek *Tiptolene* (E monofil & P film)

T.T.C. POLYOLEFINS B.V. Nijverdal (P monofil, film & staple)

N.V. VERTO Rotterdam (P film)

GLASS FIBER

SILENKA B.V. Hoogezand (Groningen) *Silenka*

Cellulosic production and capacity data are combined with Belgium on page 88-89. Noncellulosic production and producing capacity data are combined with Belgium and Luxembourg under "Benelux" on page 84-85.

NICARAGUA

OLEFIN FIBER

MANUFACTURERA CENTRO AMERICANA S.A. (MACEN) Managua (P film)

NIGERIA

NICHEMTEX INDUSTRIES LTD.
Polyester Ikorodu, Lagos *Nigerlene* (yarn & staple)

NORWAY

OLEFIN FIBER

A/S PLATON, AVD. TEKSTIL Notodden *Filmtex* (E & P film)

NORFIL-NORPACK A/S Stavern, near Larvik *Akvaflex* (P yarn. E & P monofil & film)

STAL OG TAU Tonsberg *Norseflex* (P film)

GLASS FIBER

NORSK GLASSFIBER A/S Birkeland

PAKISTAN

BENGAL FIBER INDUSTRIES, c/o BENGAL OIL MILLS LIMITED
Nylon 6 Karachi *Nylpak* (yarn)
Polyester Karachi (yarn & staple)

DILON LIMITED
Nylon 6 Landhi *Dilon* (yarn)
Polyester (yarn*)

GATRON INDUSTRIES LIMITED
Polyester Hub Chowki (yarn)

ICI PAKISTAN MANUFACTURERS LTD.
Polyester Lahore *Tere-Pak* (staple)

NATIONAL FIBERS LIMITED
Polyester Korangi, Karachi (yarn & staple)

NILOM NYLON MILLS LIMITED
Nylon 6 Lyallpur *Nilom* (yarn & monofil)

PAK FIBRE INDUSTRIES LIMITED
Polyester Hub Chowki (yarn)

POLYTEX
Polyester (yarn)

RAVI RAYON LIMITED
Acetate Kala Shah Kaku, Sheikhupura District (yarn)

RUPALI POLYESTER LIMITED
Polyester Karachi* (yarn & staple))

S.G. RAYON MILLS LIMITED
Polyester Karachi (yarn)

SYNTHETIC POLYLON
Polyester Katri (yarn), Hub Chowki (staple)

PERU

BAYER INDUSTRIAL S.A.
Acrylic Lima *Dralon* (staple)

FILAMENTOS INDUSTRIALES, S.A.
Nylon 6 Lima* (yarn)
Polyester Lima (yarn)

MANUFACTURA NYLON S.A.
Nylon 6 Vitarte, near Lima (yarn)
Polyester Vitarte *Diolen* (staple)

MANUFACTURAS DEL SUR S.A.
Nylon 6 Arequipa *Long Life, Mistilon* (yarn)
Polyester Arequipa (yarn & staple)

RAYON Y CELANESE PERUANA S.A.
Acetate Lima (yarn)
Nylon Lima (staple)
Polyester Lima *Forcel* (yarn, staple, tow & tops)

RETEX PERUANA, S.A.
Nylon 6 Ventanilla, Callao (yarn)

OLEFIN FILM FIBER, only

NORSAC S.A. Trujillo

POLICEL DEL PERU S.A., Lima

SACOS DEL SUR S.A. Arequipa

SACOS PISCO S.A. Pisco

PHILIPPINES, REPUBLIC OF THE

AMERICAN PHILIPPINE FIBER INDUSTRIES, INC.
Nylon 6 San Pedro, Laguna *Apfi Nylon* (yarn)
Polyester San Pedro *Apfi Polyester* (yarn)

FILIPINAS SYNTHETIC FIBER CORPORATION
Polyester Sta. Rosa, Laguna *Filsyn* (yarn & staple)

LAKEVIEW INDUSTRIAL CORPORATION
Polyester Carmona, Rizal *Licron* (yarn & staple)

PHILIPPINE POLYAMIDE INDUSTRIAL CORPORATION (PPIC)
Nylon 6 Calamba, Laguna *Philippine Polyamide* (yarn)

TEXFIBER CORPORATION
Nylon 6 Taytay, Rizal *Texfiber* (yarn)

OLEFIN FIBER

INDUSTRIAL TEXTILE MANUFACTURING CO. (ITEMCOP) Mandaluyong, Rizal (P film)

MANILA CORDAGE COMPANY Manila (P film)

POLAND

CHODAKOWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"
Rayon Sochaczew (reg yarn)

WROCLAWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"
Rayon Wrocław (reg yarn)

ZAKLADY WLOKIEN CHEMICZNYCH "CHEMITEX-ANILANA"
Acrylic Łódź *Anilana* (staple)
Azlon Łódź *Wipolan* (staple, casein base)

ZAKLADY WŁOKIEN CHEMICZNYCH "CHEMITEX-CELWISKOZA"
Polyester Jelenia Góra *Elana* (staple)
Rayon Jelenia Góra (staple)
Spandex Jelenia Góra (pilot plant) *Elaston* (yarn)

ZAKLADY WŁOKIEN CHEMICZNYCH "ELANA"
Polyester Toruń, Bydgoszcz *Torlen* (yarn), *Elana* (staple)

POLAND (continued)

ZAKŁADY WŁOKIEN CHEMICZNYCH "STILON"
Nylon 6 Gorzów Wielkopolski *Lanastil, Stilon* (yarn), *Polana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD"●
Rayon Szczecin-Zydowce (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISTOM"
Rayon Tomaszów Mazowiecki, Łódź (ind & reg yarn & staple)

OLEFIN FIBER

ZAKŁADY PRZEMYSŁU LNIARSKIEGO LENKO Bielsko-Biała (P film)

ZAKŁADY PRZEMYSŁU LNIARSKIEGO SKARBKOW Mirsk, Wrocław (P staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD" Szczecin-Zydowce (P staple)

GLASS FIBER

KROSNIENSKIE HUTY SZKŁA Krosno

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA" Łódź *Polsilon*

PORTUGAL

COMPANHIA INDUSTRIAL DE FIBRAS ARTIFICIAIS (CIFA), S.A.R.L.
Nylon 6 Sobrado, Valongo *Cifalon* (yarn)
Rayon Sobrado (reg yarn & staple)

FIBRAS SINTÉTICAS DE PORTUGAL, S.A.R.L. (FISIPE)
Acrylic Lisbon *Vonnel* (staple, tow & tops)

FINICISA - FIBRAS SINTÉTICAS, S.A.R.L.
Polyester Portalegre, Alto Alentejo *Terylene* (staple)

TÊXTIL ARTIFICIAL DO PORTO, LDA.
Rayon Porto (reg yarn)

OLEFIN FIBER

ALICATIFAS DA LOUSA (P staple)

FERCOL (P staple)

LUSOTUFO (P staple)

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. Barreiro (P staple & film)

OLEFIN FILM FIBER, only

CERFIL Maia - Douro

CORDEX - COMPANHIA INDUSTRIAL TEXTIL, S.A.R.L. Esmoriz

COTESI - COMPANHIA DE TEXTEIS SINTÉTICOS S.A.R.L. Carvalhos

EUROFIL - INDUSTRIAS DE PETROLEOS PLASTICOS E FILAMENTOS, S.A.R.L. Lisbon

FÁBRICA DE TAPETES VITÓRIA Mira d'Aire

FERNANDES & COSTA, LDA. Seia

MANUEL RODRIGUES DE LIMA & FILHOS Cortegaca

MANUEL RODRIGUES D'OLIVEIRA, S.A. LDA. M. Maia

QUINTAS & QUINTAS Povoa de Varzim

SICOR - SOCIEDADE INDUSTRIAL DE CORDOARIA S.A.R.L. Cortegaca

GLASS FIBER

QUIMIGAL - QUIMICA DE PORTUGAL, E.P.● Barreiro

ROMANIA

COMBINATUL DE FIBRE ARTIFICIALE
Rayon Brăila, Dej* & Suceava* (ind yarn & staple)
Polyester Vaslui (yarn)

FABRICA DE FIBRE ARTIFICIALE "VISCOFIL"
Rayon Popesti-Leordeni, near Bucureşti (reg yarn)

FABRICA DE FIBRE ARTIFICIALE "VÎSCOZA"
Rayon Lupeni (reg yarn)

UZINA DE FIBRE SINTETICE IAŞI
Polyester Iaşi *Teron* (yarn, staple, tow & tops)

UZINA DE FIBRE SINTETICE SĂVINEŞTI
Acrylic Săvineşti, near Piatra Neamt (Bacau Region) *Melana* (staple & tops)
Nylon 6 Săvineşti *Relon* (yarn & staple)

SOUTH AFRICA, REPUBLIC OF

CONSOLIDATED TEXTILE MILLS (part of Frame Group of Companies)
Polyester Jacobs, Natal (yarn & staple - captive)

HOECHST SOUTH AFRICA (PTY.) LTD.
Polyester Milnerton, Cape Province *Trevira* (staple)

KAYMAC INDUSTRIES
Polyester Atlantis Cape *Bidim* (spunbonded)

SOUTH AFRICAN NYLON SPINNERS (PTY.) LIMITED
Nylon 66 Bellville, Cape Province *Bri-Nylon* (yarn)
Polyester Bellville & Hammarsdale, Natal *Terylene* (yarn)

OLEFIN FIBER

ROMATEX MILLS Jacobs, Natal (P film)

SPAIN

BRILEN S.A.
Polyester Barbastro, Huesca & Igualada, Barcelona (yarn & staple)

CYANENKA S.A.
Acrylic Prat de Llobregat, Barcelona *Crilenka* (staple & tow)

INDUSTRIAS DEL ACETATO DE CELULOSA, S.A. (INACSA)
Acetate La Batlloria, Barcelona (yarn)

INDUSTRIAS QUIMICAS TEXTILES S.A. (INQUITEX)
Nylon 6 Andoain, Guipuzcoa *Carbyl, Nylhair, Trinyl* (yarn & staple)

LA SEDA DE BARCELONA, S.A.
Nylon 6 Alcalá de Henares, Madrid *Dayan, Enkalon* (yarn & staple)
Polyester Prat de Llobregat, Barcelona *Terlenka* (yarn & staple)
Rayon Prat de Llobregat (ind & reg yarn)

MONTEFIBRE HISPANIA S.A.
Acrylic Miranda de Ebro, Burgos *Leacril* (staple)

NUREL S.A.
Nylon 6 Zaragoza, Zaragoza *Nurel* (yarn)
Polyester Zaragoza *Terylene* (yarn & staple)

SOCIEDAD ANONIMA DE FIBRAS ARTIFICIALES (SAFA)
Nylon 66 Blanes & San Julian de Ramis, Gerona *SAFA* (yarn & staple)
Polyester Blanes *Tergal, Teriber* (yarn & staple)

SOCIEDAD NACIONAL DE INDUSTRIAS APLICACIONES CELULOSA ESPANOLA, S.A. (SNIACE)
Nylon 6 Torrelavega, Santander *Lilion* (yarn & staple)
Rayon Torrelavega (staple)

TEXPESA HILADOS SYNTETICOS
Nylon 6 Banyeres (yarn)

OLEFIN FIBER

PAULAR, S.A. - EMPRESA PARA LA INDUSTRIA QUIMICA Puertollano, C.R. *Istrakin* (P monofil & film)

PROFILEX (P staple)

PROPILAN (P staple)

SPAIN (continued)

SERINA TEXTIL (P staple)

SOCIEDAD ANONIMA ITALO ESPANOLA (SAITES) Sabadell, Barcelona (P staple & film)

TEXTIL ARMENGOL Bruch, Barcelona (P staple & film)

OLEFIN FILM FIBER, only

CONDEROLS S.A. Granada

CORDELERIAS BARAS S.A. Gijon, Asturias

CORDELERIAS MAR S.A. Vigo, Pontevedra

HILATURAS Y CORDELERIA S.A. - "HILCOSA" Barcelona

HIRESA Callosa de Segura, Alicante

YUTE INDUSTRIAL S.A. Valencia

GLASS FIBER

FIBRAS MINERALES, S.A. Alcalá de Henares, Madrid *Vitrotex*

SRI LANKA

CEYLON PETROCHEMICAL CORPORATION
Nylon 6 Sapugaskan (yarn & monofil)

SWEDEN

SONESSON PLAST AB●
Nylon 6/66 Malmö (monofil)

SVENSKA RAYON AKTIEBOLAGET
Rayon Alvenäs, Valberg (staple)

OLEFIN FIBER

SONESSON PLAST AB Malmö *Laveten* (E & P monofil)

GLASS FIBER

SCANDINAVIAN GLASFIBER AKTIEBOLAG Falkenberg

SWITZERLAND

EMS INDUSTRIES, LTD.
Nylon 6 Ems, Graubünden *Grilon* (staple)
Polyester Domat/Ems *Grilene* (staple)

NOYFIL S.A.
Nylon 6 Stabio (yarn)
Polyester Ems (yarn)

VISCOSUISSE AG
Nylon 6/66 Emmenbruecke, Luzern & Widnau, St. Gallen *Nylsuisse, Flixor* (yarn & staple)
Polyester Widnau *Tersuisse* (yarn)

OLEFIN FILM FIBER, only

AROVA SCHAFFHAUSEN A.G. Schaffhausen

VOGT & CO. Reinach

TAIWAN

CENTURY CHEMICAL INDUSTRY CORPORATION
Polyester Tainan *Centuron* (yarn)

CHENTA CHEMICAL INDUSTRIAL CORPORATION
Nylon 6 Kaohsiung *Rabbit* (yarn)

CHINA MAN-MADE FIBER CORPORATION
Rayon Tou Fen *Queen* (reg yarn & staple)

FORMOSA CHEMICALS & FIBER CORPORATION (part of Formosa Plastics Group)
Nylon 6 Chang Hwa *Sunylon* (yarn)
Rayon Chang Hwa *Tarsiyon* (reg yarn & staple)

TAIWAN (continued)

FORMOSA PLASTIC CORPORATION (part of Formosa Plastics Group)
Acrylic Kaohsiung & Lanchu *Tairylan* (staple, tow & tops)

HSIEH CHIN FISHING NET COMPANY, LTD.●
Nylon 6 Kaohsiung *Hsieh Chin* (monofil - captive)

HUALON - TEIJIN CORPORATION
Nylon 6 Chungho, Tao Yuan & Tou Fen (yarn)
Polyester Chungho, Tou Fen & Yim Kao *Hualon* (yarn & staple)

HUNG CHOU CHEMICAL INDUSTRY COMPANY, LTD.
Polyester Kwei Shan *Hunvira* (yarn)

JANG DAH NYLON INDUSTRIAL COMPANY, LTD.
Nylon 6 Hsin Tien *Yuan Pao* (yarn)

LIEN YU INDUSTRIAL COMPANY, LTD.
Nylon 6 Lin Tu *Pagoda* (yarn)
Polyester Lin Tu *Pagoda* (yarn)

NAN-YA PLASTIC CO., POLYESTER FIBER DIVISION (part of Formosa Plastics Group)
Polyester Tai Shan *Tairilin* (yarn & staple)

ORIENTAL CHEMICAL FIBER CORPORATION (associated with Far Eastern Textile Ltd.)
Polyester Hsin Chu *Eastlene, Eastlon* (yarn & staple)

PACIFIC ENTERPRISES LTD.
Nylon 6 Tao Yuan *P.E.L.* (yarn)
Polyester Tao Yuan (yarn)

SAN YUAN HSING ENTERPRISE COMPANY
Nylon 6 Kaosiung (monofil - captive)

SHINKONG SYNTHETIC FIBERS CORPORATION
Polyester Tao Yuan *Shinlon* (yarn & staple)

SYNTHETIC FIBER MILLS CORPORATION
Nylon 6 Tao Yuan *Synlon* (yarn)

TA MING FIBERS INDUSTRIAL CORPORATION
Nylon 6 Tao Yuan *Ta Ming Nylon* (yarn)
Polyester Toa Yuan *Poylon* (yarn)

TA SHING CHEMICAL FIBER CO., LTD. (associated with Chung Shing Textile Co., Ltd.)
Nylon 6 Tao Yuan *Tasinlon, Three Gun* (yarn)
Polyester Tao Yuan *Tasinlon* (yarn & staple)

TAINAN SPINNING CO., LTD.
Polyester Tainan *Nanlon* (yarn & staple)

TONG HWA SYNTHETIC FIBER CO., LTD.
Acrylic Chu Pei *Townflower* (staple & tow)

TUNG HO SPINNING WEAVING & DYEING CO., LTD.
Polyester Tainan *Pearlylene* (staple)

TUNTEX FIBER CO., LTD.
Polyester Hsin Su *Tuntex* (yarn)

UNITED SYNTHETIC FIBERS CORPORATION
Polyester Tao Yuan *King Long* (staple)

VANLON FIBERS INDUSTRIAL CORPORATION
Nylon 6 Tao Yuan *Vanlon* (yarn)
Polyester Tao Yuan *Vanlon* (yarn)

YU HO FIBER INDUSTRIAL CORPORATION
Polyester Tao Yuan *Luxlen* (yarn)

YUNG CHIN FIBER CO., LTD.
Nylon 6 Kaohsiung *Hailon* (yarn)

OLEFIN FIBER

CHIA YANG INDUSTRIAL CO., LTD. Hsi-Chih (P monofil)

CHIEN SUN PLASTIC INDUSTRIAL CO., LTD. Hsin-Chu (E & P film)

CHINA FOLEX CORPORATION Shih-Lin (E & P monofil)

TAIWAN (continued)

CHUNG KUANG PLASTIC CO., LTD. Chang-Hua (E & P film)

FULLMARK INDUSTRIAL CO., LTD. Hsin-Chu (E & P monofil)

FUU WON CHEMICAL INDUSTRIAL CO., LTD. Tu-Chen (P yarn)

HSIEH CHIN FISHING NET COMPANY, LTD. Kaohsiung *Hsieh Chin* (E monofil - captive)

HUNG FENG ENTERPRISE CO., LTD. Yang-Mei (P monofil)

IEN YI FIBER INDUSTRIAL CO., LTD. Chi-Do Goble (E monofil)

JUI I CHEMICAL INDUSTRIAL CO., LTD. Tou-Yuan (E & P monofil)

KUO HSIANG ENTERPRISE CO., LTD. Yang-Mei (E & P monofil)

LIEN FU CHEMICAL COMPANY LTD. Tou-Fen (E & P monofil)

MEI LON FIBER CO., LTD. Chang-Hua (E monofil)

PAO TSUNG TAI INDUSTRIAL COMPANY LTD. Tainan (P film)

POLON FIBER INDUSTRIAL CO., LTD. Chung-Li (P monofil)

SAN YANG INDUSTRIAL COMPANY LTD. Nei Hu Hsiang (P film)

TAI YEE CHEMICAL INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

UNITED FIBER INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

YAO CHENG PLASTIC CO., LTD. Pan-Chiao (P yarn)

TANZANIA

SUN FLAG TEXTILE KNITWEAR MILLS LTD.
Polyester Arusha (yarn)

THAILAND

ASIA FIBER CO. LTD.
Nylon 6 Samut Prakarn *AFC* (yarn)

HANTEX CORPORATION LTD.
Nylon 6 Mahacha, Samut Sakorn (yarn)

ORIENTAL FIBRE
Polyester Samut Sakorn (yarn)

TEIJIN POLYESTER (THAILAND) LTD.
Polyester Pathumthani, Bangkok *TEIJIN TETORON* (yarn & staple)

THAI MELON POLYESTER CO. LTD.
Polyester Pathumthani, Bangkok (yarn & staple)

THAI RAYON CO., LTD.
Rayon Ang Thong (staple)

TORAY NYLON THAI COMPANY
Nylon 6 Bangkhen, Bangkok *TNT* (yarn & monofil)
Polyester Bangkhen *TNT* (yarn)

TURKEY

AKRILIK KIMYA SANAYII A.S. (AKSA)
Acrylic Yalova *Aksa* (staple)

FILAMENT SENTETIK IPLIK VE ELYAF SANAYII A.S.
Polyester Bursa *Filament* (yarn & staple)

GEMLIK SUNI IPEK VE VISKOZ MAMULLERI SANAYII MÜESSESESI (GEMLIK ARTIFICIAL SILK & VISCOSE PRODUCTS INDUSTRY) (Operated by The Sumerbank)
Rayon Gemlik (staple)

INSA ISTANBUL NAYLON SANAYII A.S.
Nylon 6 Istanbul *Islon* (yarn)
Polyester Istanbul (yarn)

M.N. SABUNCU
Polyester Adana *MNS* (yarn) (idle)

TURKEY (continued)

NERGIS A.S.
Polyester Bursa (yarn)

POLYLEN SENTETIK IPLIK SANAYII A.S.
Polyester Bursa *Polylene* (yarn)

SANCAK TÜL SANAYII LTD., STI.
Polyester Istanbul *Lalelen* (yarn) (idle)

SASA SUNI VE SENTETIK ELYAF SANAYII A.S.
Polyester Adana *Perilon* (yarn & staple)

SENTETIK IPLIK FABRIKALARI, A.S. (SIFAS)
(SYNTHETIC YARN FACTORIES CORPORATION)
Nylon 6 Bursa *SIFAS* (yarn & staple)
Nylon 66 Bursa (yarn)
Polyester Bursa (yarn & staple)

SISAS
Polyester Canakkale* (yarn)

TEKSTIPLIK SANAYII VE TICARET A.S.
Nylon 6 Edirne *Dimlon* (yarn)

YALOVA ELYAF VE IPLIK SANAYII VE TICARET A.S.
Acrylic Yalova *Yalova* (staple & tow)
Modacrylic Yalova *Yalova* (staple & tow)

OLEFIN FIBER

BEZCI ELYAF SANAYII A.S. Istanbul

DINARSU ELYAF SANYAYII A.S. Cerkezkoy, Tekirdag (P staple)

ELSAN ELYAF SANAYII VE TICARET A.S. Istanbul (P staple)

HALICIOGLU ELYAF SANAYII A.S. Haskoy, Istanbul (P staple)

SESAS ELYAF SANAYII A.S. Istanbul

GLASS FIBER

CAM ELYAF SANAYII A.S. Cayirova-Gebze (Izmit)

UNION OF SOVIET SOCIALIST REPUBLICS

RAYON PLANTS reported at: Balakovo, Barnaul, Cherkassy (Ukraine), Kalinin, Kamensk, Kiev, Klin, Krasnoyarsk, Leningrad, Mogilev, Ryazan, Saratov, Sokol, Sverdlovsk and Svetlogorsk.

ACETATE PLANTS reported at: Engels, Fergana, Kaunas, Kirovakan and Moscow.

NYLON PLANTS reported at: Barnaul, Chernigov, Daughavpils, Engels, Grodno, Kemerovo, Kiev, Klin, Kursk, Leningrad, Rustavi, Shchekino and Zhitomer.

NONCELLULOSIC FIBER PLANTS reported at: Kustanay (vinyon), Minsk (polyester), Mogilev (polyester), Navoi, Polotsk and Saratov (acrylic+modacrylic).

GLASS FIBER PLANTS reported at: Astrakhan, Kalinin, Khabarovsk, Leningrad, Mingechaur, Moscow, Polotsk, Salavat, Saratov, Sevan and Severodonetsk.

UNITED KINGDOM

ANGLIA FIBRES PLC●
Polyester Hadleigh, Suffolk (monofil)
Polyvinylfluoride Hadleigh *Kynar* (monofil)
Saran Hadleigh *Saran* (monofil)

COURTAULDS FIBRES LTD.
Acrylic Grimsby, Lincolnshire *Courtelle* (staple)
Modacrylic Coventry, Warwickshire *Teklan* (staple)
Rayon Grimsby & Holywell, Clwyd, Wales (staple)
Acetate Coventry, Warwickshire; Spondon, Derbyshire; & Wrexham, Clwyd, Wales (yarn & staple)
Triacetate Coventry & Spondon (yarn & staple)

DEAN DOVE
Polyester (yarn)

UNITED KINGDOM (continued)

DU PONT (U.K.) PLC

Spandex	Maydown, Londonderry, N. Ireland *Lycra* (fused multifil)

HOECHST FIBRE INDUSTRIES UK PLC

Polyester	Limavady, Londonderry, N. Ireland *Trevira* (yarn & monofil)

ICI FIBRES (a division of Imperial Chemical Industries PLC)

Biconstituent	Pontypool, Gwent, Wales *Cambrelle, Floratex, Terram* (melded fabrics)
Nylon 66	Doncaster, Yorkshire; Gloucester, Gloucestershire; & Pontypool *Bri-Nylon, Counterstat, Pavanne, Tendrelle, Timbrelle* (yarn, staple & tow)
Polyester	Pontypool & Wilton, Yorkshire *Milvelle, Terylene* (yarn, staple & tow)

NYMOFIL PLC

Nylon 6 & 66	Poulton-le-Fylde, Lancashire (monofil)
Polyester	Poulton-le-Fylde (monofil)

PERI-LUSTA PLC

Nylon 6/66	Leek, Staffordshire (monofil)

OLEFIN FIBER

AMOCO FABRICS, DIVISION OF AMOCO (U.K.) PLC Consett, Durham (P film)

ANGLIA FIBRES PLC Hadleigh, Suffolk *TPX* (E & P monofil)

BELFAST ROPEWORK CO. PLC Belfast, N. Ireland *Bluebell* (E & P monofil, P yarn, staple & film)

CROMPTON AND BROTHERS (P staple)

DON FIBRES PLC Forfar, Angus, Scotland (P yarn, monofil, staple & film)

F. DRAKE (FIBRES) PLC Colcar, Huddersfield, Yorkshire *Gymlene* (P staple)

FILTRONA TEXTILE PRODUCTS PLC Dundee, Angus, Scotland *Filtrona* (P film); *Filtrona Fibre* (P staple)

FLEMMING'S ROPE & TWINES (WOOLSTON) PLC Warington, Lancashire (P monofil)

GREENVILLE CARPETS PLC Belfast, N. Ireland (P yarn)

HALL'S BARTON ROPERY CO. PLC Hull, Yorkshire (P film and E & P monofil)

THE HAWKINS AND TIPSON GROUP Hailsham, East Sussex (P staple & film)

McCLEERY L'AMIE GROUP PLC Belfast, N. Ireland (P yarn)

NORTHERN IRELAND CARPETS PLC Belfast, N. Ireland (P staple)

PLASTICISERS PLC Drighlington, Yorkshire *Drylene* (E monofil); *Charisma, Duron, Fibrite, Tritor* (P yarn, monofil, film & staple)

POLYOLEFIN FIBRES & ENGINEERING PLC Bradford, Yorkshire *Downspun* (P staple)

OLEFIN FILM FIBER, only

BONAR TEXTILES PLC Dundee, Angus, Scotland

BRIDON FIBRES & PLASTICS PLC Gateshead & Sunderland, Durham & Wallsend, Northumberland *Broplene, Red Star, Viking*

FAIRBAIRN LAWSON PACKAGING PLC Barnsley, Yorkshire

POLYTAPE PLC Dundee, Angus, Scotland *Propafil, Propatape*

ROKO CONTAINERS Nottingham

ROTHES PLASTICS PLC Glenrothes, Fife, Scotland

SMITH & NEPHEW POLYFABRIK PLC Newhey, near Rochdale, Lancashire *Polyweave*

SYNTHETIC FABRICS (SCOTLAND) PLC Forfar, Angus

SYNTHETIC INDUSTRIES (IRELAND) PLC Newry, Down, N. Ireland

TALBOT WEAVING CO. PLC Chorley, Lancashire

TAY TEXTILES Dundee, Angus, Scotland

UNITED KINGDOM (continued)

GLASS FIBER

FIBREGLASS PLC (Subsidiary of Pilkington Brothers PLC) Wrexham, Clwyd, Wales *Fiberglass*

TBA INDUSTRIAL PRODUCTS PLC Camberley, Surrey & Hindley Green, Lancashire

FIBREGLASS-REGINA, a joint venture of FIBREGLASS PLC and the BBA GROUP PLC, is producing textile glass tissue (voile) at Liversedge and St. Helens, Merseyside.

UNITED STATES OF AMERICA

ALBANY INTERNATIONAL - MONOFILAMENT PLANT

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66 & 612	Homer (monofil)
Polyester	Homer (monofil - regular & hydrolysis-resistant)

ALLIED CORPORATION, FIBERS DIVISION

Nylon 6	Columbia, SC & Hopewell, VA *A.C.E., Anso, Caprolan, Nypel* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

Acrylic	Santa Rosa, FL *Creslan* (staple & tow)

AMERICAN ENKA COMPANY, A PART OF AKZONA, INC.

Nylon 6	Enka, NC, Central, SC & Lowland, TN *Crepeset, Enka, Enkaloft, Enkalure, Enkasheer, Enkatron, Multisheer, Phase 7, Softalon, Zantrel* (yarn, monofil & staple)
Polyester	Lowland *Encron, Encron 8, Enka, Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn & staple)
Rayon	Lowland (staple)

AMERICAN HOECHST CORPORATION, HOECHST FIBERS INDUSTRIES DIVISION

Polyester	Spartanburg, SC *Trevira* (yarn, staple, monofil & spunbond)
PVC	Delaware City, DE (film)

AMETEK INC., SPECIAL FILAMENTS DIVISION●

Nylon 6, 66, 612 & 11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC.●

Acetate	Meadville, PA (yarn)
Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA (ind yarn & staple)
Vinyon	Meadville (staple)

BADISCHE CORPORATION

Acrylic	Williamsburg, VA *Zefran* (staple)
Nylon 6	Anderson, SC *Zeftron* (yarn & staple)

BERKLEY & CO. INC.●

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION●

Nylon 6	Bristol, VA *Camalon* (yarn)

CELANESE FIBER OPERATIONS, A DIVISION OF CELANESE CORPORATION (includes former Fiber Industries plants)

Acetate	Rock Hill, SC (Celriver) & Narrows, VA (Celco) (yarn, staple & tow)
Polyester	Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, Ceylon, Comfort Fiber, ESP, Fortrel, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)
Triacetate	Rock Hill *Arnel* (yarn, staple & tow)
PBI	Rock Hill (staple)

CORTLAND LINE COMPANY

Nylon 6	Cortland, NY (monofil - captive)

U.S.A. (continued)

COURTAULDS NORTH AMERICA INC.
Nylon 6 Le Moyne, Mobile County, AL *Courtaulds, Shareen* (yarn & monofil)
Rayon Le Moyne (staple)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)●
POLYMER PRODUCTS DEPARTMENT
Nylon 6, 66, 612 & Polyester Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)
TEXTILE FIBERS DEPARTMENT●
Acrylic Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Fluoro Richmond *Teflon* TFE- & FEP-fluorocarbon fiber (yarn, monofil, staple, tow & flock)
Nylon 66 Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Nylon-Other Chattanooga (yarn)
Polyester Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex Waynesboro *Lycra* (fused multifil or coalesced monofil)

EASTMAN KODAK COMPANY
CAROLINA EASTMAN COMPANY
Polyester Columbia, SC *Kodel* (yarn & staple)
TENNESSEE EASTMAN COMPANY
Acetate Kingsport, TN (yarn)
Polyester Kingsport *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. - See Celanese Fiber Operations

FIRESTONE FIBERS & TEXTILES COMPANY, DIVISION OF FIRESTONE TIRE & RUBBER COMPANY
Polyester Hopewell, VA (yarn)

FOSS MANUFACTURING CO., INC
Polyester Haverhill, MA (staple)

GLOBE MANUFACTURING CO.
Spandex Fall River, MA & Gastonia, NC *Cleerspan, DC-100, DC-700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, CHEMICAL DIVISION
Polyester Scottsboro, AL & Point Pleasant, WV (yarn - captive)

GUILFORD MILLS, GAINESVILLE DIVISION
Nylon 6 Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED (subsidiary of Falk Fibers & Fabrics, Inc.)
Nylon 6 Yanceyville, NC *Hanover* (yarn & monofil)

JOHNSON FILAMENTS, INC. (subsidiary of JWI Ltd.)
Nylon 6/66 Williston, VT (monofil)
Polyester Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION
Nylon 66 Creedmoor, NC (yarn - captive)

MKS, INC.
Polyester Elizabethton, TN (staple)

MONOFILAMENTS, INC.
Nylon 6/66 Waynesboro, VA (monofil)
Polycarbonate Waynesboro (monofil)
Polyester Waynesboro (monofil)

MONSANTO COMPANY
MONSANTO FIBERS AND INTERMEDIATES CO.
Acrylic Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic Decatur *SEF* (staple & tow)
Nylon 66 Pensacola, FL & Greenwood, SC *Blue C, Cadon, Cumuloft, Ultron, Ultron Z* (yarn, monofil & staple), *Cerex* (spunbonded)
MONSANTO ENGINEERED PRODUCTS DIVISION
Nylon 66 Dalton, GA *AstroTurf* (recreational & landscaping surfaces)

U.S.A. (continued)

NORTH AMERICAN RAYON CORPORATION
Rayon Elizabethton, TN (ind & reg yarn and tow)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION
Nylon 6/66 Columbia, SC *S-3, Wonderthread, Whispertouch* (monofil)
Polyester Columbia *Shakespeare Wonderthread* (monofil)

STAR FIBERS, INC.
Nylon 6 Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC. (includes former Omega Yarns facility)
Polyester Ansonville & Asheboro, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION (subsidiary of Falk Fibers & Fabrics, Inc.)
Polyester Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION
Nylon 6 & 66 Johnsonville, SC *Wellon, Wellstrand* (staple, tow & tops)
Polyester Johnsonville *Wellene* (staple, tow & tops)

OLEFIN FIBER

ACS INDUSTRIES, INC. Woonsocket, RI (P yarn)

AMERICAN MANUFACTURING COMPANY
HONESDALE ROPE DIVISION Honesdale, PA (E & P monofil & film)
LAFAYETTE ROPE DIVISION Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION Odenton, MD (E & P monofil)

AMOCO FABRICS COMPANY, PATCHOGUE PLYMOUTH DIVISION Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA & Afton, VA *Marquesa Lana, Patlon, Patlon Plus* (P yarn, monofil, film & staple)

ARLIN MFG. CO., INC. Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC. Charlotte, NC (P film-captive)

AVTEX FIBERS INC. Front Royal, VA* (P staple)

BEAULIEU, INC. Dalton, GA (P yarn)

BEMIS COMPANY, INC. St. Louis, MO (P film)

BERKLEY & CO. INC. Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN EXTRUSIONS Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film)

BRIDON CORDAGE INC. Albert Lea, MN (P film)

BURLINGTON, INC. Greensboro, NC (P yarn)

CAMAC CORPORATION Bristol, VA (P yarn)

CAVALIER CARPET CO. Dalton, GA (P yarn)

CHASE BAG COMPANY Orange, CA & New Orleans, LA (P film)

COLOR TREND, INC Dalton, GA (P yarn)

COLUMBIAN ROPE COMPANY Guntown, MS *Manipro, Polypro 6* (E & P monofil & film)

CONCORDE FIBERS, INC. Jamestown, SC (P yarn)

CROWE ROPE COMPANY Warren, ME *Crowelon, Fibrilabod* (P monofil & film)

CROWN ZELLERBACH CORPORATION, NONWOVEN FABRICS DIVISION Washougal, WA *Fibretex* (P spunbonded)

CUTLASS CARPET CO. Dalton, GA (P yarn)

DIAMOND CARPET CO. Chatsworth, GA (P yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.), TEXTILE FIBERS DEPT. Old Hickory, TN & Richmond, VA *Typar* (P spunbonded); *Tyvek* (E spunbonded)

U.S.A.

OLEFIN FIBER (continued)

ELIZABETH WEBBING MILLS CO., INC. Central Falls, RI (P film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION Kingman, KS & Summerville, SC (P monofil & film)

FNT INDUSTRIES INC. Menominee, MI (E monofil)

FIBERS & FABRICS OF GEORGIA, INC. (subsidiary of Georgia Synthetics, Inc.) Elberton, GA (E & P yarn, monofil & film)

FIBRES SOUTH, INC. Trussville, AL *Trustite, Tirite, Polystar* (P film & E & P monofil)

FIBRON CORPORATION OF TENNESSEE Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED Lakewood, NJ (P yarn)

FOSS MANUFACTURING CO., INC. Haverhill, MA (P staple)

GENERAL FIBERS & FABRICS, INC. LaGrange, GA (P film)

GEORGIA SYNTHETICS, INC. Elberton, GA (E & P yarn, monofil & film)

GLADDING CORP., CORDAGE DIVISION South Otselic, NY (P monofil)

H & A INDUSTRIES, INC. Xenia, OH (P film)

HERCULES INCORPORATED, FIBERS MARKETING DIVISION Oxford, GA *Herculon* (P yarn & staple)

INTEGRATED PRODUCTS, INC. Rome, GA (P staple)

J & J INDUSTRIES Dalton, GA (P yarn)

KELLER INDUSTRIES, INC. Swainsboro, GA (P monofil - captive)

KIMBERLY-CLARK CORPORATION Corinth, MS, Balfour, NC & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded); *Cyclean* (P spunbonded/meltblown laminate); *Evolution II, Safeguard CPF* (P spunbonded meltblown & P meltblown)

LAMBETH CORPORATION New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY (a Consolidated Foods Company) Burlington, NC (E monofil - captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC. Guilderland Center, NY (E film - captive)

MIRAFI, INC. (subsidiary of Dominion Textiles) Moultrie, GA (P film - captive)

NSI, INC. Soperton, GA (P film - captive)

THE OSTERNECK COMPANY Lumberton, NC (P film)

PHILLIPS FIBERS CORPORATION (subsidiary of Phillips Petroleum Company) Rocky Mount, NC & Spartanburg, SC *Marvess* (P yarn, staple & tow)

POLYLOOM CORPORATION OF AMERICA Dayton, TN *Polyloom* (P film)

SARLON INDUSTRIES, INC. Miami, FL (P monofil)

SHUFORD MILLS, INC. Hickory, NC (P film)

SOUTHERN WEAVING, INC. Greenville, SC (P yarn)

SUNSHINE CORDAGE CORPORATION Miami, FL *Cala-Line, Oletex, Poncar, Sunshine, Sunylon, Sunypool* (E & P monofil)

SYNTHETIC INDUSTRIES Chickamauga, GA (P film - captive)

SYNTHETIC INDUSTRIES (TEXAS), INC. Houston, TX (P film)

U.S.A.

OLEFIN FIBER (continued)

TUBBS CORDAGE COMPANY Orange, CA *Loktite* (P monofil & film)

TWINE PRODUCTS CORPORATION New Orleans, LA (P film)

UNITED STATES ROPE COMPANY Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC. Beverly, NJ (E & P monofil)

WALTRICH PLASTIC CORPORATION Tennent, NJ (P monofil)

WAYN-TEX, INC. Waynesboro, VA *Beamette, Waynfil* (E & P yarn & monofil & P film)

WELLINGTON PURITAN MILLS (MONTAIR DIV.) Pilot Mountain, NC *Pur-Ty, Welltite* (E & P monofil and film)

WELLINGTON SYNTHETIC FIBRES, INC. Leesville & Summerville, SC (P yarn and monofil)

TEXTILE PRODUCTS FROM OLEFIN

CONWED CORP. *Conwed Plastic Netting* (P embossed film for netting)

E. I. DU PONT DE NEMOURS & COMPANY (INC.) (E & P embossed film for netting)

HERCULES INCORPORATED, POLYMERS DIVISION *Delnet* (E embossed film for netting)

NALLE INC. (P embossed film for netting)

RIEGEL PRODUCTS CORPORATION *Polyweb* (P meltblown)

THE 3M COMPANY (P spunbonded)

GLASS FIBER

CERTAINTEED CORPORATION
FIBER GLASS REINFORCEMENTS DIVISION Wichita Falls, TX *R099, SatinGlass, Stichmat, Unifilo* (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC. Amsterdam, NY (roving & chopped)

LUNDY TECHNICAL CENTER Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving, strand & mat)

MANVILLE CORPORATION Denver, CO, Waterville, OH & Etowah, TN *Chop-Pak* (chopped strand, mat & sliver)

NICOFIBERS INC. Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OMNI FIBER GLASS CORPORATION Chino, CA (roving, chopped & milled)

OWENS-CORNING FIBERGLAS CORPORATION Huntingdon, PA, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Activa, Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat, chopped & milled)

PPG INDUSTRIES, INC., FIBER GLASS Lexington & Shelby, NC *Azdel, Combomat, Hybon, L.E.X., Texo* (yarn, roving, woven roving, mat, chopped strand, rubber reinforcements & thermoplastic sheets)

REICHHOLD CHEMICALS, INC.
GLASS FIBERS DIVISION Irwindale, CA (roving & chopped), Nashville, TN (roving, woven roving, mat, chopped, milled & flat yarns)

SUPERIOR GLASS FIBERS, INC. Bremen, OH (mat)

URUGUAY

HILADOS SINTETICOS S.A. (HISISA)

Nylon 66	Estacion Manga, Montevideo *Hisilon* (yarn)

POLIMEROS URUGUAYOS S.A.

Polyester	San José, San José (staple)

SINTETICOS SLOWAK S.A.

Nylon 6	Montevideo *Crofil* (yarn & monofil)
Nylon 66	Montevideo *Hisilon* (yarn)
Polyester	Montevideo *Terpol* (yarn)

SUDAMTEX del URUGUAY S.A.

Acetate	Colonia (yarn)

URUGUAY

OLEFIN FIBER (continued)

ARYN S.A. Montevideo (E monofil)

CINCA S.A. Montevideo (E film)

ELABORADORA DE ARPILLERA SINTETICA S.A. (E film)

UDINE S.A. (E monofil)

VENEZUELA

C.A. INVERSIONES ARAGUA
Nylon 6 Maracay *Sudalon* (yarn)

GOMELAST C.A.
Spandex Caracas *Spandaven* (yarn)

HILADOS FLEXILON
Nylon 6 Caracas (yarn)
Polyester Caracas (yarn)

MANTEX, C.A.
Acetate Valencia (yarn)
Polyester Maracay, Valencia *Fortrel* (yarn & staple)

SUDAMTEX DE VENEZUELA, C.A.
Polyester Maracay (yarn & staple)

YUGOSLAVIA

HEMTEKS
Polyester Skopje, Macedonia *Maklen* (yarn & staple)

INCEL FABRIKA CELULOZE I VISKOZE
Polyester Banja Luka, Bosna i Hercegovina *Belira* (yarn)
Rayon Banja Luka (staple)

INDUSTRIJA SINTETICKIK VLAKANA (PROGRES)
Nylon 6 Prizren, Kosovo Mitohijan *Supralon* (yarn)
Polyester Istok, Kosovo Mitohijan & Prizren *Prizrenit* (yarn)

KEMICNA TOVARNA MOSTE
Nylon 6 Ljubljana, Slovenia *Yulon* (yarn)

ORGANSKO HEMIJSKA INDUSTRIJA SKOPJE (OHIS)
Acrylic Skopje, Macedonia *Makrolan, Malon* (staple)

TEKSTILNA INDUSTRIYA "ZELE VELJKOVIC"
Nylon 6 Leskovac* (yarn & staple)

VARAZDINSKI TEKSTILNI KOMBINAT (VARTEKS)
Polyester Varazdin (staple)

VISKOZA
Rayon Loznica, Serbia (ind & reg yarn & staple)

OLEFIN FIBER

HEMIJASKA INDUSTRIJA U OSNIVANJU Belgrade (P staple)

GLASS FIBER

GOSTIVAR STAKLARA
Staklara (roving & mat)

WORLD MAN-MADE FIBER PRODUCER AFFILIATIONS & PERCENTAGE OF CAPITAL OWNERSHIP

Licensing and royalty agreements are not taken into account. The ownership of companies other than man-made fiber producers is not listed, e.g., weaving mills, chemical producers, etc.

For each country, the percentage following the first-named producer is the portion owned by the captioned company; the remainder of the entry shows other ownership. For example, Akzo N.V. owns 25% of Cyanenka of Spain, while American Cyanamid owns 40% and La Seda de Barcelona owns 35%. Also note that Akzo owns 57% of La Seda de Barcelona.

AKZO N.V. (NETHERLANDS)

Austria	Enka-Austria 93%
Brazil	Companhia Bahiana de Fibras 45%; others 55%; Polyenka 51%; others 49%
Colombia	Enka de Colombia 48%; others 52%
Ecuador	Enkador 48%; others 52%
Germany	Enka 97%; public 3%
India	Century Enka 39%; others 61%
Ireland	See British Enkalon under United Kingdom below.
Mexico	Fibras Quimicas 40%; Alfa-group 60%
Netherlands	Enka 100% Silenka 33.33%; PPG Industries 33.33%; others 33.33%
Spain	Cyanenka 25%; American Cyanamid 40%; La Seda 35%; La Seda 57%; others 43%
U.K.	British Enkalon 84%; public 16%
U.S.A.	American Enka 100%

AMERICAN CYANAMID COMPANY (U.S.A.)

Spain	Cyanenka 40%; Akzo N.V. 25%; La Seda 35%
U.S.A.	Fibers Division 100%

AMOCO CHEMICALS CORPORATION (U.S.A.)

Australia	Amoco Fabrics Co., Patchogue Plymouth Div. 100%
Canada	Amoco Fabrics Co. 100%
Germany, F.R.	Amoco Fabrics Co., Patchogue Plymouth Div. 100%
U.K.	Amoco Fabrics 100%
U.S.A.	Amoco Fabrics Co., Patchogue Plymouth Div. 100%

BASF AMERICA CORPORATION (U.S.A.)

BASF America owns 100% of Badische Corp. (U.S.A.), which in turn owns 100% of Badische Canada Limited.

ASAHI CHEMICAL INDUSTRY CO. LTD. (JAPAN)

India	Baroda Rayon Corp. 1%; local interests 89%; others 10%
Indonesia	P.T. Indonesia Asahi Chemical 69%; others 30%; local interests 1%
Ireland	Asahi Synthetic Fibres (Ireland) 85%; others 15%
Japan	Asahi Chemical 100%
Korea, Rep.	Tong Yang Polyester 50%; Tong Yang Nylon 50%

BAYER A.G. (WEST GERMANY)

Belgium	N.V. Bayer 100%
Germany, F.R.	Bayer A.G. 100% Faserwerke Lingen G.m.b.H. 100%
Iran	Sherkat Sahami Aliaf 50%; Aftab Shargh & others 50%
Peru	Bayer Industrial S.A. 60%

CELANESE CORPORATION (U.S.A.)

Belgium	Celanese S.A. 100%
Brazil	Celanese do Brasil 100% Celanese do Brasil Nordeste 100%
Canada	Celanese Canada Inc. 56% Celanese Canada (Millhaven) Inc. 100%
Mexico	Celanese Mexicana 40%; public 60%
Peru	Rayon y Celanese Peruana 33%
U.S.A.	Celanese Fibers Operations 100%

COURTAULDS, PLC (U.K.)

Canada	Courtaulds (Canada) Inc. 100%
France	Courtaulds S.A. 100%
Ireland	Lirelle (Ireland) Ltd. 100%
Italy	Fin Novaceta S.p.A. 50%, SNIA 50%
Spain	INACSA 12%; public 88%
U.K.	Courtaulds Acetate PLC 100% Courtaulds, PLC 100%
U.S.A.	Courtaulds North America Inc. 100%

E. I. DU PONT DE NEMOURS & COMPANY (U.S.A.)

Argentina	Ducilo 83%; Bunge & Born 17%
Brazil	Du Pont do Brasil 100%
Canada	Du Pont Canada 75%; public 25%
Germany, F.R.	Du Pont de Nemours (Deutschland) 100%
Japan	Toyo Products 50%; Toray Industries 50%
Luxembourg	Du Pont Fibres 100%
Mexico	Nylon de Mexico 40%; Alfa-group 51%; public 9%
Netherlands	Du Pont de Nemours (Nederland) 100%
U.K.	Du Pont (U.K.) 100%
U.S.A.	Textile Fibers Department 100% Polymer Products Department 100%

FIRESTONE TIRE & RUBBER COMPANY (U.S.A.)

Canada	Firestone Textiles Co.100%
U.S.A.	Firestone Fibers & Textiles 100%

HARBOUR GROUP LTD. (U.S.A.)

U.K.	Synthetic Industries (Ireland) PLC 100%
U.S.A.	Fibron Corp. of Tennessee 100% Synthetic Industries, Inc. 100% Synthetic Industries (Texas), Inc. 100%

HERCULES INCORPORATED (U.S.A.)

Italy	HIMONT Fibers 50%; Montedison 50%
U.S.A.	Hercules 100%

HOECHST A.G. (WEST GERMANY)

Austria	Austria Faserwerke: Hoechst Austria 51%, Lenzing 49%
Brazil	Cia. Brasileira de Sintéticos 60%
Germany, F.R.	Hoechst 100% Zehlendorf 91%; Others 9%
South Africa	Hoechst South Africa 100%
U.K.	Hoechst Fibre Industries 100%
U.S.A.	American Hoechst 100%

KURARAY CO., LTD. (JAPAN)

Indonesia	Kuma Fiber 40%; others 60%
Japan	Kuraray 100%

IMPERIAL CHEMICAL INDUSTRIES LIMITED (U.K.)

ICI owns 62% of ICI Australia Ltd., which in turn owns Fibremakers Ltd. of Australia.

Australia	Fibremakers Ltd. – 100% ICI Australia
Germany, F.R.	ICI Europa Fibres G.m.b.H. 100%
India	Chemicals & Fibres of India Ltd. 55%
Pakistan	ICI Pakistan Manufacturers 70%
Portugal	Finicisa-Fibras 50%; Francisco Fino Ltd. 50%
South Africa	S.A. Nylon Spinners (through AECI Ltd.) 40%
Spain	Nurel S.A. 50%; local interests 50%
U.K.	ICI Fibres 100%

MITSUBISHI RAYON (JAPAN)

Japan	Mitsubishi Acetate 100% Mitsubishi Rayon 100%
Portugal	FISIPE 4%; Mitsubishi Corp. 9%; Quimigal 87%
Taiwan	Tong Hwa 19%; Mitsubishi Corp. 12%; others 69%

MONTEFIBRE S.p.A. (ITALY)

France	Montefibre France 100%
Italy	Montefibre 50%; Snia Fibre 50%; Fibra de Tirso 50%; Anicfibre 50%; Merak 100%; Neofil 50%; Hercules (U.S.A.) 50%; Societá Industriale Cremonese 50%
Malta	Montefibre Malta 99.9%
Spain	Montefibre Hispania 70%; others 30%

OWENS-CORNING FIBERGLAS CORPORATION (U.S.A.)

Belgium	Owens-Corning Fiberglas Europe 100%
Brazil	OCFIBRAS 100%
Canada	Fiberglas Canada 49%; Duplate Canada 49%; local interests 2%
France	Owens-Corning Fiberglas Europe 100%
Japan	Asahi Fiber Glass 28%; Asahi Glass Co., Ltd. 72%
Mexico	Vitro-Fibras 40%; Vitro Group 60%
Norway	Owens-Corning Fiberglas Europe 100%
Sweden	Scandinavian Glasfiber 40%; Allmanna Svenska Electriska 60%
U.S.A.	Owens-Corning Fiberglas 100%

PPG INDUSTRIES (U.S.A.)

Netherlands	Silenka 33.33%; Akzo N.V. 33.33%; others 33.33%
U.S.A.	Fiber Glass Division 100%

PILKINGTON BROTHERS (U.K.)

Argentina	VASA 99.7%; Glaverbel/Boussois/local interests 0.3%
India	Fibreglass Pilkington 50%, plus 1 share; Indian interests 50%, less 1 share
South Africa	Fibreglass South Africa 24.5%; Owens-Corning Fiberglas (U.S.A.) 24.5%; Plate Glass & Shatterprufe Industries Ltd. 51%
U.K.	Fibreglass PLC 100%

RHÔNE-POULENC S.A. (FRANCE)

Argentina	Rhodia Argentina Química e Têxteis 100%
Brazil	Rhodia Industrias Químicas e Têxteis 100%; Rhodia Nordeste 99%
France	Rhône-Poulenc-Textile 99.9%
Germany, F.R.	Deutsche Rhodiaceta 100%
Spain	SAFA 60%
Switzerland	Viscosuisse (through Holva AG) 87%
Thailand	Thai Melon Polyester 40%; others 60%

SAINT-GOBAIN (FRANCE)

France	Saint-Gobain Industries 100%
Germany, F.R.	Gevetex-Textilglas 100%
Italy	Vetrotex Italia 100%
Spain	Fibras Minerales 69%; others 31%
U.S.A.	CertainTeed Corp. 54%; others 46%

SNIA FIBRE (ITALY)

Argentina	SNIAFA (through its Luxembourg subsidiary, Sapina) 23%
Brazil	Fiacão Brasileira de Rayon 96% (through Sapina)
France	Ets. Nysam 100%
Greece	Vomvicryl 15% (through Sapina)
India	Baroda Rayon 9% (through Sapina); South India Viscose 24% (through Sapina)
Ireland	Snia Ireland 80%
Italy	Snia Fibre 100%; Novaceta 50%, Courtaulds (U.K.) 50%
Spain	SNIACE 25% (through Sapina)

TEIJIN LTD. (JAPAN)

Indonesia	P.T. Tifico 65.8%; Toyo Menka 16½%; local interests 17.7%
Japan	Teijin 100% Teijin Acetate 100%
Korea, Rep.	Sunkyung Fibres 11%; local interests 89%
Taiwan	Hualon-Teijin 6%; local interests 94%
Thailand	Teijin Polyester 45%; local interests 55%

TORAY INDUSTRIES (JAPAN)

Brazil	Polynor is owned 16% by Matoray, which in turn is owned 35% by Toray and 65% by IRF Matarazzo.
Indonesia	P.T. Indonesia Toray Synthetics 59%; others 41%
Japan	Toray Industries 100%; Toray-Monofilament 100%; Toyo Products 50%, Du Pont 50%
Korea, Rep.	Cheil Synthetic Textiles 23.5%; Mitsui 6%; local interests 70.5%; Kolon Industries 19.8%; others 80.2%
Malaysia	Penfibre 90%; Textile Alliance 10%
Philippines	Philippine Polyamide 16.5%; Itoman 12.5%; Toyo Menka 11%; local interests 60%
Taiwan	Shin Kong 6.4%; Mitsubishi Corp. 4.5%; local interests 89.1%
Thailand	Toray Nylon Thai 30%; Mitsui 19%; local interests 51%

TUBBS CORDAGE COMPANY (U.S.A.)

Philippines	Manila Cordage 40%
U.S.A.	Tubbs Cordage 100%

WELLMAN, INC. (U.S.A.)

Ireland	Wellman International Ltd. 60%; British Enkalon 40%
U.S.A.	Man-Made Fiber Division 100%

OLEFIN DATA PRESENTATION

As has been the practice with past June issues, all world olefin data are presented separately from the other noncellulosic fibers. This method of presentation is necessitated by a lack of complete olefin data worldwide.

Two examples illustrate the problem:

A. Though the U.S. olefin production data published regularly in the ***Organon*** include yarn, monofil, staple, film fiber and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as is used in sacks, fishing nets and carpet backing.

B. The published man-made fiber data of many other countries show little or no olefin fiber production at all (e.g., France, West Germany and the United Kingdom).

Due to the difficulties given above, the noncellulosic data except olefin are presented on pages 84-87.

The olefin data for most countries appear on page 93. These data consist of (a) the "official" country data published by a government, an association or other statistical agency, and (b) an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. No attempt is made to strike a world total because the incomplete data of a number of countries, particularly in Latin America, Eastern Europe and Africa, Asia and Oceania, prohibit such a tabulation.

TABLE 10: NUMBER OF MAN-MADE FIBER PRODUCING PLANTS (EXCEPT OLEFIN)*

COUNTRY & REGION	CELL.		NONCELLULOSIC					TEX-TILE GLASS	GRAND TOTAL
	ACE-TATE[a]	RAYON	ACRY-LIC[b]	NY-LON[c]	POLY-ESTER	OTH-ER[d]	TOTAL		
WEST EUROPE									
AUSTRIA		2			1	1	2		4
BELGIUM/LUX	1	1		3	1		4	2	8
FINLAND		1		1			1	1	3
FRANCE		3	2	5	2	1	10	2	15
GERMANY F.R.	1	3	3	11	11	4	29	3	36
GREECE		1	1	2	3		6		7
IRELAND (EIRE)			1	1	2		4		4
ITALY/MALTA	2	3	5	16	8	1	30	2	37
NETHERLANDS		1		2	1	1	4	1	6
NORWAY								1	1
PORTUGAL		2	1	1	1		3	1	6
SPAIN	1	2	2	7	5		14	1	18
SWEDEN		1		1			1	1	3
SWITZERLAND				4	3		7		7
TURKEY		1	2	3	8		13	1	15
UNITED KINGDOM	3	2	2	5	6	3	16	4	25
TOTAL W. EUROPE	**8**	**23**	**19**	**62**	**52**	**11**	**144**	**20**	**195**
EAST EUROPE									
BULGARIA		1	1	1	1		3		4
CZECHOSLOVAKIA		5		3	2		5	2	12
GERMAN D.R.		8	2	3	3	1	9	1	18
HUNGARY		1	1	1			2		3
POLAND		5	1	1	2	2	6	2	13
ROMANIA		2	1	1	2		4		6
YUGOSLAVIA		2	1	2	5		8	1	11
TOTAL E. EUROPE		**24**	**7**	**12**	**15**	**3**	**37**	**6**	**67**
AMERICAS									
ARGENTINA	1	1	1	6	5	1	13	1	16
BOLIVIA			1				1		1
BRAZIL	1	4	2	18	11	1	32	1	38
CANADA	1	1		3	2	1	6	1	9
CHILE		2		2	3		5		7
COLOMBIA	1			3	4		7		8
COSTA RICA					1		1		1
CUBA		1							1
ECUADOR					3		3		3
GUATEMALA				1			1		1
MEXICO	1	2	4	7	9	2	22	1	26
PERU	1		1	4	4		9		10
U.S.A.	4	4	6	29	32	9	76	18	102
URUGUAY	1			2	2		4		5
VENEZUELA	1			2	3	1	6		7
TOTAL AMERICAS	**12**	**15**	**15**	**77**	**79**	**15**	**186**	**22**	**235**
AFRICA, ASIA & OCEANIA									
AUSTRALIA				2	2	1	5	1	6
BANGLADESH		2		1			1		3
EGYPT		2		1	2		3		5
INDIA	1	12	2	10	17		29	2	44
INDONESIA		4		7	5		12		16
IRAN			1	2	1		4		4
IRAQ		1							1
ISRAEL			1	1	1		3		3
JAPAN	2	13	7	12	21	17	57	14	86
KENYA				1	4		5		5
KOREA, REP. OF	1	1	2	7	11	1	21		23
MALAYSIA				1	1		2		2
NIGERIA					1		1		1
PAKISTAN	1			3	9		12		13
PHILIPPINES				3	3		6		6
SOUTH AFRICA				1	5		6		6
SRI LANKA				1			1		1
TAIWAN		2	3	14	17		34		36
TANZANIA					1		1		1
THAILAND		1		3	4		7		8
TOTAL A,A & O	**5**	**38**	**16**	**70**	**105**	**19**	**210**	**17**	**270**
WORLD TOTAL*	**25**	**100**	**57**	**221**	**251**	**48**	**577**	**65**	**767**

* Data for People's Republic of China, North Korea & U.S.S.R. are not included here.

a. Acetate includes triacetate.

b. Acrylic includes modacrylic.

c. Nylon includes aramid.

d. Includes 1 azlon, 2 biconstituent, 4 fluorocarbon, 1 PBI, 2 PVC, 1 polycarbonate, 1 polychlal, 1 polyesteramide, 1 promix, 6 saran, 18 spandex or elastomer, 4 vinal and 6 vinyon plants, for a total of 48 plants producing these miscellaneous fibers.

TABLE 11: FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1983				1984			
		1980	1981	1982	1983	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(A) ACETATE		(N) NYLON *				(P) POLYESTER				(O) OLEFIN			
HOSIERY[b]	N	106.3	107.0	92.3	104.3	25.4	26.3	26.0	26.6	27.8			
OTHER CIRCULAR KNIT[c]	N	56.6	48.2	25.7	24.5	5.3	6.0	6.0	7.2	4.2			
	P	495.7	345.6	228.4	293.7	77.2	79.3	67.5	69.7	55.7			
	A	3.2	3.6	1.6	2.1	0.7	0.5	0.6	0.3	0.4			
FLAT KNIT	A	144.9	98.7	71.7	79.1	18.0	23.6	20.1	17.4	18.1			
	N	176.3	163.2	130.8	162.2	39.0	42.4	39.8	41.0	40.4			
	P	83.8	98.4	87.0	116.6	22.4	26.2	31.3	36.7	32.7			
CARPET FACE	N	714.5	633.6	559.5	734.6	143.9	196.4	196.4	197.9	191.1			
	O	89.5	89.5	90.0	131.2	29.8	34.0	33.1	34.3	29.9			
CARPET BACKING[d]	O	197.8	195.3	184.7	198.8	46.1	54.1	53.7	44.9	48.1			
OTHER BROAD WOVEN[e]	A	110.5	110.7	88.8	113.6	24.2	29.2	29.7	30.5	29.8			
	N	94.3	89.2	82.2	83.6	21.3	22.3	19.3	20.7	20.5			
	P	405.5	440.2	367.0	489.9	107.0	138.6	118.1	126.2	104.8			
	O	186.3	200.7	172.5	217.1	48.9	57.2	58.1	52.9	51.2			
NARROW WOVEN[f]	A	8.7	8.6	2.9	1.7	0.9	0.2	0.4	0.2	0.1			
	N	31.4	34.0	30.2	35.3	7.0	9.2	9.5	9.6	10.8			
	P	28.1	28.1	28.1	35.5	7.7	8.5	8.7	10.6	8.6			
	O	12.3	12.6	12.1	15.0	3.7	3.5	3.8	4.0	3.7			
TIRES, INCL. CHAFER	N	209.2	204.7	147.9	145.5	29.2	33.7	34.8	47.8	42.4			
	P	161.0	174.8	168.9	174.1	42.9	45.3	42.5	43.4	44.6			
OTHER RUBBER INDUSTRY[g]	N	22.3	25.7	17.3	16.3	4.1	4.3	4.0	3.9	5.1			
	P	30.2	35.1	26.7	27.8	6.4	7.7	5.9	7.8	6.0			
ROPE, CORDAGE & FISHLINE	N	33.0	30.6	29.1	31.7	7.5	7.6	8.0	8.6	8.7			
	P	13.1	15.8	14.4	12.2	3.3	3.4	2.8	2.7	4.5			
	O	84.4	92.1	84.8	95.5	23.3	25.7	23.1	23.4	28.4			
ALL OTHER[h]	A	1.9	4.7	4.0	1.1	0.3	0.4	0.2	0.2	0.3			
	N	95.0	68.1	50.6	54.4	12.3	10.9	14.6	16.6	14.1			
	P	146.0	292.0	214.3	144.6	39.4	33.6	30.4	41.2	35.0			
	O	41.4	38.1	32.9	41.0	8.8	9.7	10.3	12.2	8.0			
TOTAL ABOVE	**A**	**269.2**	**226.3**	**169.0**	**197.6**	**44.1**	**53.9**	**51.0**	**48.6**	**48.7**			
	N	**1538.9**	**1404.3**	**1165.6**	**1392.4**	**295.0**	**359.1**	**358.4**	**379.9**	**365.1**			
	P	**1363.4**	**1430.0**	**1134.8**	**1294.4**	**306.3**	**342.6**	**307.2**	**338.3**	**291.9**			
	O	**611.7**	**628.3**	**577.0**	**698.6**	**160.6**	**184.2**	**182.1**	**171.7**	**169.3**			
TOTAL DOMESTIC		**3783.2**	**3688.9**	**3046.4**	**3582.8**	**806.0**	**939.8**	**898.7**	**938.3**	**875.0**			
ALSO DIVIDED AS													
APPAREL		1530.4	1530.0	1128.2	1257.5	305.4	335.6	301.7	314.8	278.1			
HOME FURNISHINGS		1212.7	1129.4	1016.6	1328.7	272.0	351.3	350.3	355.1	335.3			
INDUSTRIAL		1040.1	1029.5	901.6	996.8	228.6	252.9	246.7	268.6	261.6			
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		167.4	159.6	122.3	127.1	30.9	32.8	31.5	31.9	31.3			
POLYESTER		942.0	991.3	737.9	832.4	201.0	221.8	192.2	217.4	173.6			
OLEFIN		40.9	33.5	26.8	28.0	6.2	8.2	7.4	6.2	5.6			

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*. Includes Aramid in 1980 through 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

TABLE 12: STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1983				1984			
ITEM		1980	1981	1982	1983	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
(R) RAYON (N) NYLON * (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	275.7	255.6	230.5	237.3	58.1	64.3	60.4	54.5	54.4			
	NPR	11.5	8.9	8.8	9.5	2.9	2.7	2.2	1.7	1.4			
PILE FABRICS[b]	A	60.4	44.7	36.4	33.0	9.0	10.3	7.8	5.9	8.3			
	P	18.3	14.9	15.6	18.2	4.8	4.9	5.0	3.5	4.8			
OTHER CIRCULAR+FLAT KNIT[c]	R	9.8	10.9	5.7	3.5	1.0	1.2	0.9	0.4	1.2			
	A	125.0	91.6	112.6	129.5	31.5	32.2	33.0	32.8	32.0			
	P	296.3	300.7	288.8	354.4	91.5	91.1	85.8	86.0	77.6			
BLANKETS[b]	A	42.2	28.1	23.7	27.1	7.7	6.7	8.1	4.6	6.9			
	P	17.3	14.8	12.0	10.5	3.8	2.8	2.5	1.4	1.4			
OTHER BROAD WOVEN	R	201.6	224.7	146.6	182.1	40.8	45.3	47.0	49.0	48.9			
	N	53.0	52.4	56.4	59.0	15.4	16.6	14.2	12.8	12.3			
	A	42.3	33.0	25.7	32.5	7.7	8.8	8.2	7.8	9.4			
	P	1194.6	1107.0	889.0	1062.9	237.0	270.4	272.3	283.2	272.6			
	O	17.3	17.1	16.1	19.4	4.9	5.0	4.9	4.6	5.7			
CARPET FACE YARNS	R	+	0.3	0.1	0.2	+	0.1	+	0.1	0.2			
	N	631.5	617.4	594.4	815.2	175.3	220.7	215.9	203.3	194.6			
	A		Included in All Other										
	P	119.9	124.0	114.7	139.0	34.7	39.8	33.2	31.3	31.2			
	O	61.6	67.5	76.8	93.6	21.7	23.7	22.7	25.5	22.4			
FIBERFILL[d]	P	205.1	226.7	228.4	275.4	60.8	68.8	75.3	70.5	69.2			
FLOCK	NP	10.8	13.0	10.2	10.6	2.3	3.0	3.0	2.3	2.3			
	R	5.1	5.6	3.1	3.2	0.9	0.7	0.7	0.9	0.7			
NONWOVENS[e,f]	R	147.3	124.6	111.9	119.0	30.5	29.0	29.3	30.2	33.8			
	N	3.2	3.5	3.8	4.9	1.1	1.1	1.4	1.3	0.9			
	P	166.6	149.3	155.2	177.4	38.8	48.4	47.8	42.4	44.6			
	VINYON+O	34.6	42.7	39.0	61.5	10.2	13.0	16.5	21.8	25.2			
ALL OTHER	R	26.2	29.1	24.3	23.8	6.3	6.1	6.4	5.0	5.5			
	N	12.2	10.3	7.7	5.2	1.2	1.6	1.3	1.1	1.1			
	A	39.7	41.1	29.0	32.8	6.1	7.0	10.4	9.3	9.6			
	P	42.6	60.6	57.8	55.8	14.6	12.6	14.7	13.9	11.7			
	VINYON+O	1.5	4.7	7.0	8.9	2.9	2.4	1.0	2.6	0.4			
TOTAL ABOVE	**R**	**390.7**	**396.9**	**293.7**	**333.5**	**80.1**	**83.0**	**84.6**	**85.8**	**90.7**			
	N	**711.2**	**696.4**	**673.3**	**897.1**	**196.0**	**243.5**	**236.2**	**221.4**	**211.1**			
	A	**585.3**	**494.1**	**457.9**	**492.2**	**120.1**	**129.3**	**127.9**	**114.9**	**120.6**			
	P	**2071.0**	**2005.4**	**1767.5**	**2099.2**	**487.6**	**540.4**	**538.1**	**533.1**	**514.2**			
	VINYON+O	**115.0**	**132.0**	**138.9**	**183.4**	**39.7**	**44.1**	**45.1**	**54.5**	**53.7**			
TOTAL DOMESTIC		**3873.2**	**3724.8**	**3331.3**	**4005.4**	**923.5**	**1040.3**	**1031.9**	**1009.7**	**990.3**			
ALSO DIVIDED AS													
APPAREL		1632.9	1487.5	1321.7	1461.3	360.8	386.0	359.9	354.6	341.1			
HOME FURNISHINGS		1478.0	1442.9	1266.4	1630.0	363.9	432.9	424.8	408.4	404.7			
INDUSTRIAL		762.3	794.4	743.2	914.1	198.8	221.4	247.2	246.7	244.5			

* 1980 through 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

TABLE 13: SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1984 JAN	1984 FEB	1984 MAR	1984 APR	1984 MAY	1984 JUNE	4 MONTHS 1984	4 MONTHS 1983
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	55	5	0	0			60	90
CANADA	42	12	327	45			426	758
MEXICO	163	120	55	41			379	233
AUSTRIA	0	0	0	0			0	687
GERMANY, FED. REP. OF	714	327	396	256			1693	409
NETHERLANDS	28	40	40	57			165	125
UNITED KINGDOM	0	0	+	0			+	35
JAPAN	74	86	62	23			245	87
REP. OF KOREA	60	0	40	0			100	40
ALL OTHER COUNTRIES[a]	0	1	43	27			71	61
TOTAL CELL. YARN	**1136**	**591**	**963**	**449**			**3139**	**2525**
CELLULOSIC STAPLE+TOW								
CANADA	803	884	919	390			2996	1438
AUSTRIA	390	70	219	282			961	253
FRANCE	16	18	7	2			43	56
SWEDEN	164	432	190	92			878	707
UNITED KINGDOM	225	81	42	60			408	104
JAPAN	116	47	162	134			459	637
TAIWAN	0	0	0	0			0	27
ALL OTHER COUNTRIES[b]	0	+	0	+			+	3
TOTAL CELL. STAPLE	**1714**	**1532**	**1539**	**960**			**5745**	**3225**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	1284	1467	1745	2221			6717	2574
MEXICO	1317	1796	1574	1486			6173	984
FRANCE	224	222	104	133			683	652
GERMANY, FED. REP. OF	846	1097	2010	1482			5435	2169
ITALY	199	569	390	407			1565	242
NETHERLANDS	54	95	26	17			192	127
SPAIN	95	225	2	0			322	403
SWITZERLAND	17	101	71	51			240	339
UNITED KINGDOM	531	89	366	204			1190	1004
ISRAEL	111	72	84	43			310	553
JAPAN	1131	1338	1660	1574			5703	3190
REP. OF KOREA	42	55	37	24			158	100
TAIWAN	122	+	60	36			218	88
SOUTH AFRICA	347	563	112	450			1472	0
ALL OTHER COUNTRIES[c]	231	233	75	108			647	124
TOTAL N.C. YARN	**6551**	**7922**	**8316**	**8236**			**31025**	**12549**
NONCELLULOSIC STAPLE+TOW								
CANADA	1028	1102	1219	943			4292	1443
COSTA RICA	155	354	237	249			995	49
MEXICO	2812	2217	1451	1342			7822	2403
BELGIUM	32	61	38	41			172	114
FRANCE	483	507	834	512			2336	3056
GERMANY, FED. REP. OF	1965	1587	2599	2064			8215	5839
ITALY	1182	791	1234	1519			4726	5052
NETHERLANDS	88	140	76	63			367	180
SWITZERLAND	22	+	113	58			193	55
UNITED KINGDOM	1306	1060	1711	1113			5190	3177
AUSTRALIA	0	24	0	0			24	91
ISRAEL	45	28	0	30			103	112
JAPAN	1334	926	1361	1092			4713	3703
REP. OF KOREA	0	40	62	120			222	80
TAIWAN	826	471	1576	1265			4138	1700
ROMANIA	138	98	299	488			1023	0
SOUTH AFRICA	0	213	0	82			295	8
ALL OTHER COUNTRIES[d]	394	88	278	191			951	90
TOTAL N.C. STAPLE	**11810**	**9707**	**13088**	**11172**			**45777**	**27152**

+ Means a nominal poundage.

Other countries supplying 1984 poundages are:

a. Belgium 27, Italy 1, France 22 and Switzerland 21.

b. Brazil + and Federal Republic of Germany +.

c. Australia 75, Austria 113, Belgium 62, Brazil 122, Denmark 32, Finland 1, India +, Norway 27, Portugal 1, Romania 197 and Sweden 17.

d. Austria 30, Brazil 416, Denmark 18, Finland 37, Honduras 75, Hong Kong 2, Ireland 22, Poland 13, Portugal 41, Spain 25, Sweden 61 and Turkey 211.

TABLE 14: U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1984 JAN	FEB	MAR	APR	MAY	JUN	4 MONTHS 1984	1983
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	0	0	38	79			117	206
OTHER	310.0130 & .0230[a]	1136	585	880	359			2960	2270
MONOFILAMENTS	309.0310 & .0610	0	0	0	2			2	+
STRIPS, $1/LB & UNDER	309.2000*	0	6	45	9			60	49
SUBTOTAL ABOVE		**1136**	**591**	**963**	**449**			**3139**	**2525**
STAPLE	309.4320 & .4325	1517	1483	1365	900			5265	2993
GROUPED FILAMENTS	309.3010 & .3110	197	49	174	60			480	232
SUBTOTAL ABOVE		**1714**	**1532**	**1539**	**960**			**5745**	**3225**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	**40**	**69**	**6**	**41**			**156**	**82**
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	1064	1571	1615	2435			6685	1159
- POLYESTER	310.0110 & .0210	821	1167	834	867			3689	140
- OTHER	310.0114 & .0214	651	604	649	613			2517	2493
OTHER - NYLON	310.0149 & .0249	2022	2221	2918	2099			9260	3402
- POLYESTER	310.0150 & .0250	1328	1658	1618	1504			6108	3620
- OTHER	310.0170 & .0270[b]	202	274	310	281			1067	1012
MONOFILAMENTS	309.0200 & .0330[c]	383	325	282	336			1326	575
STRIPS, OVER $1/LB	309.2100 & .2500*	80	102	90	101			373	148
SUBTOTAL ABOVE		**6551**	**7922**	**8316**	**8236**			**31025**	**12549**
STAPLE - NYLON	309.4338	2921	2034	2936	3665			11556	8639
- POLYESTER	309.4342	3115	2489	2224	1816			9644	3506
- ACRYLIC	309.4345	1081	1257	913	1297			4548	3346
- OLEFIN	309.4346	325	76	474	173			1048	445
- OTHER	309.4355	1109	969	1627	1551			5256	3363
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	2271	1604	2787	1509			8171	5234
POLYESTER	309.3040 & .3140	227	593	1026	611			2457	186
ACRYLIC	309.3050 & .3150	646	538	978	355			2517	2191
OTHER	309.3065 & .3165	115	147	123	195			580	242
SUBTOTAL ABOVE		**11810**	**9707**	**13088**	**11172**			**45777**	**27152**
WASTE, NOT ADVANCED									
- NYLON	309.6625	2390	4767	2062	1623			10842	6550
- POLYESTER	309.6630	634	810	621	775			2840	3629
- ACRYLIC	309.6645	37	1	0	0			38	229
- OTHER	309.6660	139	213	452	265			1069	956
NOILS & GARNETTED FIBERS	309.6000 & .7000*	56	62	12	0			130	26
OTHER WASTE, ADVANCED	309.7525 - .7555	105	300	179	299			883	1249
SUBTOTAL ABOVE		**3361**	**6153**	**3326**	**2962**			**15802**	**12639**
TOTAL MAN-MADE ABOVE		**24612**	**25974**	**27238**	**23820**			**101644**	**58172**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC		0	+	0	0			+	0
- NONCELLULOSIC	310.1015[d] & .1109[e]	1109	1204	1068	968			4349	2235
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	12	8	8			30	44
- NONCELLULOSIC	310.1050 & .1070[g]	146	84	162	183			575	1070
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	104	52	136	91			383	211
- OTHER	310.4015 & .4027[i]	757	3042	3050	2639			9488	8824
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .3000	121	112	118	46			397	1222
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	410	250	442	318			1420	973
SLIVER, TOPS & ROVING	309.9000	589	756	607	639			2591	1769
TEXTILE GLASS FIBER	309.2800 & .2900[j]	2128	2900	2813	1725			9566	7104
GRAND TOTAL ABOVE		**29978**	**34386**	**35642**	**30437**			**130443**	**81624**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

TABLE 15: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1984	1983
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**17.8**	**16.9**	**19.8**	**17.8**	**20.3**		**92.6**	**89.7**
NYLON[e] - INDUSTRIAL[f]	28.1	29.9	32.8	33.4	32.4		156.6	121.5
- LOW DENIER INDUSTRIAL[g]	3.1	3.0	3.0	2.9	2.7		14.7	13.3
- CARPET	70.0	62.9	65.5	72.0	70.4		340.8	276.3
- TEXTILE	34.3	31.3	31.1	32.7	30.6		160.0	159.7
POLYESTER - INDUSTRIAL[f]	24.5	25.2	28.3	26.4	27.6		132.0	125.5
- LOW DENIER INDUSTRIAL[g]	1.9	2.1	2.1	2.2	2.0		10.3	10.3
- TEXTILE	84.9	69.9	67.1	75.3	70.7		367.9	432.9
OLEFIN[h]	52.6	56.9	64.1	58.3	62.5		294.4	289.0
TOTAL NONCELLULOSIC ABOVE[i]	**299.4**	**281.2**	**294.0**	**303.2**	**298.9**		**1476.7**	**1428.5**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**32.4**	**31.6**	**38.0**	**35.9**	**32.5**		**170.4**	**146.1**
NYLON[e]	80.0	65.9	70.8	82.3	74.1		373.1	358.7
ACRYLIC+MODACRYLIC	53.0	52.2	63.9	58.2	56.7		284.0	278.9
POLYESTER	172.5	177.5	197.0	200.8	190.2		938.0	888.2
OLEFIN+VINYON	18.6	18.5	20.4	20.2	19.9		97.6	71.3
TOTAL NONCELLULOSIC ABOVE	**324.1**	**314.1**	**352.1**	**361.5**	**340.9**		**1692.7**	**1597.1**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**14.3**	**14.6**	**13.2**	**13.6**	**11.8**		**11.8**	**11.8**
NYLON[e] - INDUSTRIAL[f]	23.2	23.7	23.1	22.1	21.3		21.3	23.4
- LOW DENIER INDUSTRIAL[g]	4.0	4.4	5.7	5.7	5.9		5.9	5.1
- CARPET	54.0	58.8	60.4	57.0	60.4		60.4	48.2
- TEXTILE	36.3	36.9	37.5	36.4	37.2		37.2	35.3
POLYESTER - INDUSTRIAL[f]	22.0	22.3	20.2	19.4	18.5		18.5	25.3
- LOW DENIER INDUSTRIAL[g]	3.4	3.5	3.8	3.5	3.8		3.8	2.4
- TEXTILE	77.2	82.8	86.4	84.1	85.1		85.1	68.5
OLEFIN[h]	58.1	59.3	60.9	61.5	60.1		60.1	53.3
TOTAL NONCELLULOSIC ABOVE[i]	**278.2**	**291.7**	**298.0**	**289.7**	**292.3**		**292.3**	**261.5**
STAPLE+TOW+FIBERFILL								
RAYON	**25.1**	**27.4**	**25.3**	**23.2**	**27.5**		**27.5**	**34.3**
NYLON[e]	70.2	76.0	79.3	71.7	74.0		74.0	53.3
ACRYLIC+MODACRYLIC	77.3	79.6	75.4	75.6	78.1		78.1	59.5
POLYESTER	180.2	188.6	188.7	177.4	178.0		178.0	154.1
OLEFIN+VINYON	20.4	21.2	19.8	20.1	20.7		20.7	15.3
TOTAL NONCELLULOSIC ABOVE	**348.1**	**365.4**	**363.2**	**344.8**	**350.8**		**350.8**	**282.2**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	13.3	15.2	14.7				43.2	35.9
CARPET CLASS WOOL	0.9	0.8	0.9				2.6	2.6
TOTAL RAW WOOL	14.2	16.0	15.6				45.8	38.5
RAW COTTON	246.1	242.7	249.9	226.8	232.5		1198.0	1168.0

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March/April issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March/April issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March/April issue.

J84 [illegible]

Textile Organon

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MONTHLY REVIEW

Highlights

June Shipments of Olefin Yarn+Monofilaments Top 64 Million Pounds . . . see page 140.

1983 World Production of Man-Made Fiber Rises to 31,096 Million Pounds . . . see page 124.

World Production of Cotton Falls to 32,022 Million Pounds in 1983 . . . see page 124.

Textile Organon Feature:

World Man-Made Fiber Survey in Millions of Pounds . . . begins on page 124.

A record was set in June as more pounds of olefin yarn+monofilaments were shipped than in any other month in history.

Nylon yarn shipments to the carpet trades fell for the second consecutive month as did shipments of nylon textile yarn.

Shipments of polyester industrial yarn fell in June and shipments of polyester textile yarn fell for the second straight month.

Nylon staple+tow shipments fell to the lowest monthly level of the year, but shipments of acrylic+modacrylic staple+tow rose in June.

Shipments of polyester staple+tow fell to the lowest level since January 1983, but shipments of olefin+vinyon staple+tow rose to a record level.

TABLE 1: TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM	1984 JUNE	1984 MAY	%[a]	1983 JUNE	%[b]	YEAR TO DATE 1984	YEAR TO DATE 1983	%[c]
YARN+MONOFILAMENTS								
ACETATE	**18.0**	**20.3**	*-11.3*	**21.3**	*-15.5*	**110.6**	**111.0**	*-0.4*
NYLON[d] - INDUSTRIAL	32.5	32.4	*+0.3*	23.8	*+36.5*	189.1	145.3	*+30.1*
- LOW DENIER INDUSTRIAL	2.8	2.7	*+3.7*	3.0	*-6.7*	17.5	16.3	*+7.4*
- CARPET	61.3	70.4	*-12.9*	76.4	*-19.8*	402.1	352.7	*+14.0*
- TEXTILE	26.7	30.6	*-12.7*	32.5	*-17.8*	186.7	192.2	*-2.9*
POLYESTER - INDUSTRIAL	26.5	27.6	*-4.0*	29.0	*-8.6*	158.5	154.5	*+2.6*
- LOW DENIER INDUSTRIAL	2.2	2.0	*+10.0*	2.4	*-8.3*	12.5	12.7	*-1.6*
- TEXTILE	65.4	70.7	*-7.5*	85.9	*-23.9*	433.3	518.8	*-16.5*
OLEFIN	64.4	62.5	*+3.0*	63.9	*+0.8*	358.8	352.9	*+1.7*
TOTAL NONCELLULOSIC ABOVE	**281.8**	**298.9**	*-5.7*	**316.9**	*-11.1*	**1758.5**	**1745.4**	*+0.7*
STAPLE+TOW+FIBERFILL								
RAYON	**34.4**	**32.5**	*+5.8*	**35.6**	*-3.4*	**204.8**	**181.7**	*+12.7*
NYLON[d]	57.3	74.1	*-22.7*	87.8	*-34.7*	430.4	446.5	*-3.6*
ACRYLIC+MODACRYLIC	60.6	56.7	*+6.9*	56.7	*+6.9*	344.6	335.6	*+2.7*
POLYESTER	171.3	190.2	*-9.9*	192.3	*-10.9*	1109.3	1080.5	*+2.7*
OLEFIN+VINYON	21.4	19.9	*+7.5*	15.1	*+41.7*	119.0	86.4	*+37.7*
TOTAL NONCELLULOSIC ABOVE	**310.6**	**340.9**	*-8.9*	**351.9**	*-11.7*	**2003.3**	**1949.0**	*+2.8*

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumlative total this year.
d. Nylon excludes Aramid.
Also see footnotes on last page of this issue.

Textile Organon

JULY, 1984
A MONTHLY REVIEW

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DATAGRAM

Is the recovery slowing?

Since April, shipments of noncellulosic yarn + monofilaments and staple + tow have fallen dramatically. Shipments of nylon yarn and staple lead the decline. Reasons -

- Carpet shipments have weakened since the monthly high records in April.
- Nylon carpet yarn shipments have fallen nearly 11 million pounds.
- Nylon carpet staple shipments have fallen over 25 million pounds.

When compared to June 1983 levels -

- Nylon carpet yarn shipments are off nearly 20%.
- Nylon carpet staple shipments are off 35%.

Trade balance erodes further

The balance of trade for man-made fiber manufacturers eroded further during the first quarter of 1984 as the net import balance grew to 154.8 million pounds.
Major causes for the net import balance -

- Apparel imports grew to 167.6 million pounds, as compared to 133.2 million pounds during fourth quarter 1983 and 122.8 million pounds during first quarter 1983.
- Imports of home furnishings have grown steadily from the fourth quarter 1982 level of 16.0 million pounds to 43.0 million pounds in first quarter 1984.

Fiber imports on the rise

Imports of man-made fiber totaled 127.5 million pounds for the first five months of 1984. This compares to the 1983 January - May level of 74.7 million pounds.
Leading areas of growth for the first five months -

- Nylon yarn imports have grown from the equivalent 1983 level of 6.4 million pounds to 20.9 million pounds in 1984.
- Nylon staple + tow imports have grown to 24.2 million pounds in 1984, up from the January - May 1983 level of 18.1 million pounds.

European rationalization is a reality

In an effort to relieve long-term over capacity problems in Western Europe, the EEC (European Economic Community) has authorized 10 major man-made fiber producers to shut down 354,000 metric tons, or 18%, of their capacity by the end of 1985. (DNR, 6/10/84)

West European production of noncellulosic fibers increased nearly 6-1/2% in 1983, while capacity utilization stood at 79%.

This compares to the U.S. which in 1983 increased production nearly 16% and raised capacity utilization to 82.5%.

WORLD MAN-MADE FIBER SURVEY

Featured in this issue (pages 124-135) is our annual survey of the world man-made fiber industry. The data presented here in ***million pounds*** represents a conversion of the tables in thousand metric tons found in the June ***Organon*** (Tables 1-9).

Historical world data for most of the tables contained here can be found in the January 1962 ***Textile Organon Base Book*** and in the June 1966 and 1970 and July 1979-1983 issues of the ***Organon***.

Once again we would like to acknowledge the more than 170 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles and Apparel, Domestic and International Business Administrations and the U.S. Department of Commerce without whose help and cooperation this annual world man-made fiber survey would not have been possible.

TABLE 2:
WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS
MILLION POUNDS & PERCENT

TYPE OF FIBER	1977	1978	1979	1980	1981	1982	1983
CELLULOSIC FIBERS (from page 91)							
YARN+MONOFILAMENTS	2584	2572	2594	2560	2435	2260	2289
STAPLE+TOW	4649	4736	4839	4588	4629	4225	4330
TOTAL CELLULOSIC	**7233**	**7308**	**7433**	**7148**	**7064**	**6485**	**6619**
NONCELLULOSIC FIBERS except Olefin (from page 87)							
YARN+MONOFILAMENTS	9508	10148	10779	10434	10601	9890	10730
STAPLE+TOW	10665	11973	12595	12662	13267	12465	13747
TOTAL NONCELL. ABOVE	**20173**	**22121**	**23374**	**23096**	**23868**	**22355**	**24477**
TOTAL MAN-MADE ABOVE	**27406**	**29429**	**30807**	**30244**	**30932**	**28840**	**31096**
% of World Total	*45*	*48*	*47*	*47*	*45*	*44*	*47*
NATURAL FIBERS							
RAW COTTON	30514	28433	31041	30845	33825	32277	32022
RAW WOOL	3280	3369	3474	3536	3582	3578	3541
RAW SILK	108	112	121	123	126	121	121
TOTAL NATURAL ABOVE	**33902**	**31914**	**34636**	**34504**	**37533**	**35976**	**35684**
% of World Total	*55*	*52*	*53*	*53*	*55*	*56*	*53*
WORLD TOTAL ABOVE	**61308**	**61343**	**65443**	**64748**	**68465**	**64816**	**66780**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 129 and 133, as noted. Glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see December 1983 *Organon*.

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see the December 1983 *Organon* issue.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

TABLE 3: WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN

MILLION POUNDS

FIBER & AREA	ACTUAL PRODUCTION																					PRODUCING CAPACITY					
	1977			1978			1979			1980			1981			1982			1983			1984			1985		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
West Europe	+	1493	1493	+	1751	1751	+	1753	1753	+	1625	1625	+	1779	1779	0	1660	1660	0	1876	1876	+	2238	2238	+	2196	2196
East Europe	0	406	406	0	441	441	0	470	470	0	478	478	0	465	465	0	461	461	0	485	485	0	620	620	0	730	730
U.S.A.	0	710	710	0	725	725	0	761	761	0	783	783	0	690	690	0	624	624	0	670	670	0	805	805	0	809	809
Other Americas	0	181	181	0	216	216	0	238	238	0	251	251	0	234	234	0	267	267	0	287	287	0	359	359	0	403	403
Japan	7	739	746	7	816	823	9	783	792	7	771	778	2	765	767	7	758	765	4	783	787	13	869	882	13	869	882
Other A. A. & O.	0	412	412	0	500	500	0	549	549	0	626	626	0	672	672	0	767	767	0	805	805	0	1043	1043	0	1146	1146
TOTAL	**7**	**3941**	**3948**	**7**	**4449**	**4456**	**9**	**4554**	**4563**	**7**	**4534**	**4541**	**2**	**4605**	**4607**	**7**	**4537**	**4544**	**4**	**4906**	**4910**	**13**	**5934**	**5947**	**13**	**6153**	**6166**
NYLON+ARAMID[a]																											
West Europe	1248	269	1517	1248	331	1579	1259	326	1585	1149	282	1431	1149	284	1433	1045	236	1281	1076	262	1338	1393	375	1768	1437	362	1799
East Europe	869	68	937	893	68	961	913	68	981	1016	121	1137	1001	174	1175	1014	183	1197	1072	183	1255	1468	207	1675	1530	207	1737
U.S.A.	1512	814	2326	1653	897	2550	1781	939	2720	1631	728	2359	1581	752	2333	1241	686	1927	1493	926	2419	1861	1045	2906	1900	1127	3027
Other Americas	384	44	428	412	49	461	452	51	503	459	51	510	399	44	443	388	46	434	403	49	452	655	82	737	664	82	746
Japan	644	35	679	646	35	681	653	38	691	661	40	701	622	42	664	584	42	626	597	40	637	703	53	756	703	53	756
Other A. A. & O.	584	7	591	681	7	688	732	7	739	805	4	809	866	7	873	849	7	856	893	9	902	1343	22	1365	1543	22	1565
TOTAL	**5241**	**1237**	**6478**	**5533**	**1387**	**6920**	**5790**	**1429**	**7219**	**5721**	**1226**	**6947**	**5618**	**1303**	**6921**	**5121**	**1200**	**6321**	**5534**	**1469**	**7003**	**7423**	**1784**	**9207**	**7777**	**1853**	**9630**
POLYESTER																											
West Europe	809	902	1711	866	946	1812	897	981	1878	792	897	1689	833	990	1823	858	966	1824	847	1012	1859	1113	1285	2398	1111	1321	2432
East Europe	207	642	849	247	670	917	260	679	939	298	708	1006	291	736	1027	324	754	1078	366	807	1173	505	1173	1678	631	1310	1941
U.S.A.	1592	2050	3642	1565	2236	3801	1717	2463	4180	1462	2526	3988	1570	2606	4176	1213	1955	3168	1360	2185	3545	1508	2784	4292	1517	2804	4321
Other Americas	423	265	688	432	295	727	472	362	834	492	366	858	463	359	822	419	353	772	445	392	837	664	540	1204	723	593	1316
Japan	613	648	1261	701	703	1404	692	701	1393	672	708	1380	683	708	1391	692	692	1384	683	706	1389	908	769	1677	908	769	1677
Other A. A. & O.	518	811	1329	708	1102	1810	851	1226	2077	902	1481	2383	1056	1753	2809	1175	1801	2976	1430	2057	3487	1971	2855	4826	2154	3697	5851
TOTAL	**4162**	**5318**	**9480**	**4519**	**5952**	**10471**	**4889**	**6412**	**11301**	**4618**	**6686**	**11304**	**4896**	**7152**	**12048**	**4681**	**6521**	**11202**	**5131**	**7159**	**12290**	**6669**	**9406**	**16075**	**7044**	**10494**	**17538**
OTHER FIBERS[b] **EXCEPT OLEFIN**																											
West Europe	9	22	31	7	20	27	11	24	35	13	24	37	13	15	28	13	20	33	13	20	33	18	27	45	18	26	44
East Europe	20	11	31	20	15	35	11	15	26	+	9	9	2	7	9	2	7	9	+	7	7	2	18	20	2	18	20
U.S.A.	15	2	17	16	2	18	18	2	20	20	+	20	22	2	24	18	2	20	+	+	+	31	+	31	31	+	31
Other Americas	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2
Japan	38	99	137	33	93	126	38	93	131	40	95	135	31	73	104	31	68	99	31	62	93	62	227	289	62	227	289
Other A. A. & O.	14	35	49	11	55	66	11	66	77	13	88	101	15	110	125	15	110	125	15	124	139	33	143	176	33	143	176
TOTAL	**98**	**169**	**267**	**89**	**185**	**274**	**91**	**200**	**291**	**88**	**216**	**304**	**85**	**207**	**292**	**81**	**207**	**288**	**61**	**213**	**274**	**148**	**415**	**563**	**148**	**414**	**562**
TOTAL FIBERS ABOVE																											
West Europe	2066	2686	4752	2121	3048	5169	2167	3084	5251	1954	2828	4782	1995	3068	5063	1916	2882	4798	1936	3170	5106	2524	3925	6449	2566	3905	6471
East Europe	1096	1127	2223	1160	1194	2354	1184	1232	2416	1314	1316	2630	1294	1382	2676	1340	1405	2745	1438	1482	2920	1975	2018	3993	2163	2265	4428
U.S.A.	3119	3576	6695	3234	3860	7094	3516	4165	7681	3113	4037	7150	3173	4050	7223	2472	3267	5739	2853	3781	6634	3400	4634	8034	3448	4740	8188
Other Americas	809	490	1299	846	560	1406	926	651	1577	953	668	1621	864	637	1501	809	666	1475	850	728	1578	1321	981	2302	1389	1078	2467
Japan	1302	1521	2823	1387	1647	3034	1392	1615	3007	1380	1614	2994	1338	1588	2926	1314	1560	2874	1315	1591	2906	1686	1918	3604	1686	1918	3604
Other A. A. & O.	1116	1265	2381	1400	1664	3064	1594	1848	3442	1720	2199	3919	1937	2542	4479	2039	2685	4724	2338	2995	5333	3347	4063	7410	3730	5008	8738
WORLD TOTAL	**9508**	**10665**	**20173**	**10148**	**11973**	**22121**	**10779**	**12595**	**23374**	**10434**	**12662**	**23096**	**10601**	**13267**	**23868**	**9890**	**12465**	**22355**	**10730**	**13747**	**24477**	**14253**	**17539**	**31792**	**14982**	**18914**	**33896**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 84-86.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983.

TABLE 4A: WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	0	57.1	57.1	0	67.0	67.0	0	64.6	64.6	0	56.0	56.0
Benelux[a]	187.8	119.5	307.3	208.6	105.9	314.5	209.9	89.0	298.9	159.7	71.4	231.1
Eire (Ireland)	5.3	27.6	32.9	18.3	57.4	75.7	23.8	70.5	94.3	22.0	69.9	91.9
Finland	0.9	0	0.9	1.1	0	1.1	0.9	0	0.9	0.9	0	0.9
France	221.1	316.5	537.6	202.0	341.2	543.2	173.5	320.3	493.8	145.0	279.3	424.3
West Germany	716.7	805.0	1521.7	718.5	889.5	1608.0	745.3	929.3	1674.6	702.5	888.1	1590.6
Greece	17.0	16.5	33.5	18.6	17.4	36.0	20.3	20.9	41.2	19.8	22.0	41.8
Italy/Malta	261.0	466.7	727.7	259.7	521.6	781.3	279.1	515.1	794.2	277.6	506.8	784.4
Portugal	3.3	36.6	39.9	3.5	57.9	61.4	3.7	64.5	68.2	3.1	70.7	73.8
Spain	121.7	230.6	352.3	133.8	284.8	418.6	158.2	311.7	469.9	145.3	301.3	446.6
Switzerland	108.0	63.3	171.3	109.6	73.8	183.4	108.4	66.1	174.5	133.8	52.2	186.0
Turkey	33.1	144.4	177.5	48.5	133.6	182.1	66.1	169.8	235.9	63.9	154.3	218.2
United Kingdom	389.8	401.5	791.3	398.6	496.7	895.3	377.9	462.3	840.2	279.8	356.5	636.3
Total Western Europe	**2065.7**	**2685.3**	**4751.0**	**2120.8**	**3046.8**	**5167.6**	**2167.1**	**3084.1**	**5251.2**	**1953.4**	**2828.5**	**4781.9**
EASTERN EUROPE												
Albania	0	0	0	0	0	0	0	0	0	0	0	0
Bulgaria	27.4	69.6	97.0	28.6	72.6	101.2	28.6	77.1	105.7	36.1	81.4	117.5
Czechoslovakia	101.3	50.9	152.2	108.0	55.1	163.1	110.2	48.5	158.7	117.2	49.4	166.6
Germany, D.R.	116.7	156.8	273.5	117.9	163.1	281.0	120.4	171.7	292.1	123.5	179.6	303.1
Hungary	7.0	28.9	35.9	7.3	33.9	41.2	7.0	32.6	39.6	12.8	32.4	45.2
Poland	179.0	144.6	323.6	187.9	147.3	335.2	192.7	145.3	338.0	205.0	150.0	355.0
Romania	63.9	209.7	273.6	66.1	220.4	286.5	77.0	231.5	308.5	70.8	227.1	297.9
U.S.S.R.	584.2	421.2	1005.4	606.3	440.7	1047.0	601.7	448.5	1050.2	700.0	508.1	1208.1
Yugoslavia	16.1	44.8	60.9	37.5	61.7	99.2	46.2	77.1	123.3	48.5	88.2	136.7
Total Eastern Europe	**1095.6**	**1126.5**	**2222.1**	**1159.6**	**1194.8**	**2354.4**	**1183.8**	**1232.3**	**2416.1**	**1313.9**	**1316.2**	**2630.1**
TOTAL EUROPE	**3161.3**	**3811.8**	**6973.1**	**3280.4**	**4241.6**	**7522.0**	**3350.9**	**4316.4**	**7667.3**	**3267.3**	**4144.7**	**7412.0**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	41.1	41.1	0	39.7	39.7	0	39.7	39.7	0	46.3	46.3	0	46.3	46.3
177.3	55.7	233.0	155.6	42.3	197.9	136.7	46.9	183.6	185.4	88.2	273.6	200.7	110.2	310.9
33.1	69.0	102.1	27.1	61.7	88.8	24.2	70.5	94.7	30.9	98.1	129.0	30.8	98.1	128.9
1.1	0	1.1	1.1	0	1.1	1.1	0	1.1	1.3	0	1.3	1.3	0	1.3
146.5	297.2	443.7	142.9	276.1	419.0	139.5	297.8	437.3	189.6	348.3	537.9	189.5	293.2	482.7
707.0	951.2	1658.2	714.4	832.1	1546.5	732.3	938.0	1670.3	861.1	945.9	1807.0	861.1	945.8	1806.9
19.8	19.6	39.4	18.7	20.5	39.2	19.8	22.0	41.8	39.0	26.5	65.5	39.0	26.5	65.5
328.6	631.2	959.8	327.9	616.3	944.2	314.1	688.7	1002.8	420.0	924.8	1344.8	409.3	847.8	1257.1
2.4	74.8	77.2	2.0	83.8	85.8	6.6	86.0	92.6	15.4	94.8	110.2	33.1	108.0	141.1
159.5	372.4	531.9	162.2	346.7	508.9	142.6	364.2	506.8	220.7	489.4	710.1	220.6	489.4	710.0
125.9	61.4	187.3	117.8	59.5	177.3	136.5	67.2	203.7	162.0	68.3	230.3	168.6	68.3	236.9
71.4	168.1	239.5	99.4	198.8	298.2	105.9	223.7	329.6	149.7	297.7	447.4	167.5	374.9	542.4
222.5	327.1	549.6	146.7	303.8	450.5	176.4	325.5	501.9	249.1	496.0	745.1	244.6	496.0	740.6
1995.1	**3068.8**	**5063.9**	**1915.8**	**2881.3**	**4797.1**	**1935.7**	**3170.2**	**5105.9**	**2524.2**	**3924.3**	**6448.5**	**2566.1**	**3904.5**	**6470.6**
0	0	0	0	0	0	0	0	0	0	0	0	0	22.0	22.0
38.6	86.0	124.6	38.7	77.2	115.9	40.6	92.5	133.1	43.0	136.7	179.7	43.0	147.7	190.7
115.7	82.7	198.4	143.3	81.6	224.9	147.5	83.6	231.1	156.6	116.7	273.3	156.5	116.8	273.3
123.5	172.9	296.4	121.3	173.9	295.2	136.5	180.6	317.1	166.3	208.4	374.7	187.4	209.4	396.8
15.4	31.6	47.0	16.9	28.0	44.9	16.7	29.1	45.8	19.8	61.7	81.5	19.8	94.8	114.6
173.5	88.7	262.2	166.3	117.0	283.3	188.3	137.1	325.4	247.9	188.6	436.5	268.9	189.7	458.6
87.1	253.4	340.5	86.1	246.8	332.9	92.4	251.1	343.5	143.4	317.4	460.8	143.3	317.5	460.8
687.4	576.4	1263.8	719.2	590.6	1309.8	760.4	610.5	1370.9	1101.1	816.8	1917.9	1235.8	973.2	2209.0
52.9	90.5	143.4	48.6	89.3	137.9	55.0	97.0	152.0	97.1	170.8	267.9	108.0	192.9	300.9
1294.1	**1382.2**	**2676.3**	**1340.4**	**1404.4**	**2744.8**	**1437.4**	**1481.5**	**2918.9**	**1975.2**	**2017.1**	**3992.3**	**2162.7**	**2264.0**	**4426.7**
3289.2	**4451.0**	**7740.2**	**3256.2**	**4285.7**	**7541.9**	**3373.1**	**4651.7**	**8024.8**	**4499.4**	**5941.4**	**10440.8**	**4728.8**	**6168.5**	**10897.3**

TABLE 4B: WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITYBY COUNTRY EXCEPT OLEFIN (continued)

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**3119.5**	**3575.9**	**6695.4**	**3234.2**	**3860.3**	**7094.5**	**3516.3**	**4164.5**	**7680.8**	**3113.0**	**4036.6**	**7149.6**
OTHER AMERICAS												
Argentina	53.8	34.8	88.6	49.0	37.6	86.6	65.2	49.7	114.9	47.1	28.5	75.6
Bolivia	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	210.7	141.5	352.2	233.1	164.3	397.4	270.0	201.4	471.4	300.8	209.5	510.3
Canada	152.7	95.8	248.5	159.3	112.4	271.7	161.1	106.8	267.9	163.2	105.9	269.1
Chile	8.8	4.7	13.5	9.8	3.4	13.2	11.0	5.2	16.2	11.1	5.6	16.7
Colombia	72.1	13.4	85.5	73.2	17.4	90.6	63.2	17.5	80.7	62.3	24.0	86.3
Costa Rica	+	0	+	4.4	0	4.4	4.4	0	4.4	6.7	0	6.7
Ecuador	5.1	0	5.1	5.6	0	5.6	7.5	0	7.5	7.8	0	7.8
Guatemala	0	0	0	0	0	0	+	0	+	0	0	0
Mexico	265.4	144.5	409.9	272.0	167.4	439.4	300.0	205.0	505.0	302.2	225.8	528.0
Peru	12.3	42.2	54.5	12.4	45.3	57.7	15.3	46.2	61.5	23.2	49.7	72.9
Uruguay	2.4	+	2.4	2.4	+	2.4	2.4	5.3	7.7	2.4	5.7	8.1
Venezuela	25.8	12.5	38.3	25.4	12.2	37.6	25.8	13.3	39.1	25.5	13.2	38.7
Total Other Americas	**809.1**	**489.4**	**1298.5**	**846.6**	**560.0**	**1406.6**	**925.9**	**650.4**	**1576.3**	**952.3**	**667.9**	**1620.2**
JAPAN	**1300.7**	**1521.1**	**2821.8**	**1386.6**	**1646.8**	**3033.4**	**1391.2**	**1613.9**	**3005.1**	**1380.1**	**1613.8**	**2993.9**
OTHER AFRICA, ASIA & OCEANIA												
Australia/N.Z.	38.6	2.6	41.2	39.9	2.4	42.3	36.2	1.1	37.3	26.4	+	26.4
Bangladesh	0.7	0	0.7	1.1	0	1.1	0.4	0	0.4	0.7	0	0.7
China, People's Republic of	39.7	92.6	132.3	66.1	235.0	301.1	79.4	282.3	361.7	94.8	452.0	546.8
Egypt	1.8	0.9	2.7	1.8	0.9	2.7	3.3	0.9	4.2	4.0	11.2	15.2
India	56.4	47.6	104.0	72.3	56.6	128.9	78.7	61.3	140.0	87.6	67.9	155.5
Indonesia	38.1	82.0	120.1	46.9	100.1	147.0	50.0	110.9	160.9	91.6	118.9	210.5
Iran	18.6	0	18.6	19.9	+	19.9	11.0	0	11.0	13.3	0	13.3
Israel	12.8	12.4	25.2	19.7	13.6	33.3	21.7	14.1	35.8	23.2	14.6	37.8
Kenya	0	0	0	0	0	0	+	0	+	2.3	0	2.3
Korea, Republic of	358.2	413.2	771.4	458.7	494.8	953.5	522.8	529.3	1052.1	562.7	619.9	1182.6
Malaysia	0	66.2	66.2	0	72.6	72.6	0	77.1	77.1	0	79.5	79.5
Nigeria	0	+	+	+	6.6	6.6	6.6	8.8	15.4	5.6	5.6	11.2
Pakistan	4.8	0	4.8	4.3	0	4.3	4.4	0	4.4	3.4	0	3.4
Philippines	32.8	17.3	50.1	35.3	18.8	54.1	55.0	25.6	80.6	66.2	30.9	97.1
South Africa	56.6	29.8	86.4	64.8	36.4	101.2	71.0	43.0	114.0	73.9	44.2	118.1
Sri Lanka	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	386.6	416.8	803.4	492.7	530.6	1023.3	566.0	583.1	1149.1	583.4	646.4	1229.8
Tanzania	0	0	0	0	0	0	0	0	0	0	0	0
Thailand	69.8	84.1	153.9	76.5	96.1	172.6	87.5	110.0	197.5	80.6	109.1	189.7
Total Other A.,A. & O.	**1115.5**	**1265.5**	**2381.0**	**1400.0**	**1664.5**	**3064.5**	**1594.0**	**1847.5**	**3441.5**	**1719.7**	**2200.2**	**3919.9**
WORLD TOTAL	**9506.1**	**10663.7**	**20169.8**	**10147.8**	**11973.2**	**22121.0**	**10778.3**	**12592.7**	**23371.0**	**10432.2**	**12663.2**	**23095.4**

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
3172.5	**4049.8**	**7222.3**	**2472.0**	**3267.2**	**5739.2**	**2852.7**	**3780.9**	**6633.6**	**3399.6**	**4634.1**	**8033.7**	**3448.0**	**4740.0**	**8188.0**
35.1	18.3	53.4	40.0	26.2	66.2	53.4	35.3	88.7	101.9	66.1	168.0	101.8	66.2	168.0
0	0	0	2.2	0	2.2	4.4	0	4.4	11.0	0	11.0	11.0	0	11.0
253.3	191.4	444.7	255.9	181.0	436.9	233.0	175.7	408.7	355.5	245.4	600.9	355.7	245.4	601.1
145.1	88.2	233.3	114.8	99.1	213.9	130.6	116.9	247.5	203.5	147.8	351.3	210.2	170.0	380.2
11.0	5.5	16.5	10.1	1.8	11.9	10.4	2.2	12.6	23.5	11.0	34.5	23.6	13.2	36.8
72.1	24.7	96.8	57.4	26.5	83.9	61.7	26.5	88.2	98.1	33.1	131.2	133.8	33.1	166.9
6.8	0	6.8	7.7	0	7.7	7.7	0	7.7	17.6	0	17.6	17.6	0	17.6
7.5	0	7.5	8.8	0	8.8	8.8	0	8.8	15.4	0	15.4	15.4	16.1	31.5
0	0	0	0	0	0	0	0	0	4.4	0	4.4	4.4	0	4.4
293.0	244.7	537.7	269.2	253.4	522.6	291.3	289.0	580.3	423.4	379.8	803.2	447.3	423.9	871.2
22.1	46.5	68.6	22.9	64.8	87.7	25.4	64.9	90.3	35.3	72.9	108.2	35.3	84.0	119.3
1.9	4.6	6.5	2.0	5.1	7.1	2.9	8.2	11.1	3.7	7.7	11.4	3.7	8.8	12.5
16.3	13.2	29.5	18.1	7.9	26.0	21.4	8.8	30.2	27.3	17.2	44.5	29.1	17.4	46.5
864.2	**637.1**	**1501.3**	**809.1**	**665.8**	**1474.9**	**851.0**	**727.5**	**1578.5**	**1320.6**	**981.0**	**2301.6**	**1388.9**	**1078.1**	**2467.0**
1338.2	**1587.4**	**2925.6**	**1313.9**	**1560.8**	**2874.7**	**1316.1**	**1589.5**	**2905.6**	**1686.5**	**1918.0**	**3604.5**	**1686.5**	**1918.0**	**3604.5**
22.0	0	22.0	32.0	0	32.0	32.0	2.2	34.2	58.4	3.3	61.7	58.4	3.3	61.7
0.4	0	0.4	0.4	0	0.4	0.4	11.0	11.4	2.0	79.4	81.4	2.0	79.4	81.4
121.4	643.6	765.0	147.7	665.8	813.5	165.6	716.5	882.1	480.4	1234.6	1715.0	552.2	1730.6	2282.8
4.4	11.0	15.4	7.3	23.4	30.7	7.7	27.8	35.5	19.8	76.3	96.1	19.8	149.0	168.8
112.4	87.7	200.1	136.7	97.4	234.1	192.2	89.1	281.3	220.5	199.5	420.0	336.2	357.4	693.6
102.5	121.4	223.9	134.3	121.7	256.0	154.3	151.0	305.3	176.4	176.4	352.8	176.4	246.9	423.3
22.0	22.0	44.0	28.7	33.1	61.8	39.8	48.5	88.3	78.6	83.1	161.7	114.0	83.1	197.1
23.1	15.0	38.1	25.4	15.4	40.8	25.7	15.4	41.1	35.3	16.5	51.8	35.3	16.5	51.8
2.2	0	2.2	2.2	0	2.2	6.8	0	6.8	24.2	11.9	36.1	24.2	11.9	36.1
627.1	719.5	1346.6	664.4	685.6	1350.0	741.6	723.2	1464.8	811.3	810.3	1621.6	857.7	810.2	1667.9
0	77.2	77.2	0	70.5	70.5	0	77.2	77.2	0	82.7	82.7	0	82.7	82.7
5.9	8.8	14.7	2.6	2.4	5.0	5.5	5.5	11.0	11.0	11.0	22.0	11.0	11.0	22.0
3.3	0	3.3	11.2	15.2	26.4	16.5	22.0	38.5	31.7	52.9	84.6	60.6	52.9	113.5
70.5	30.9	101.4	77.2	33.1	110.3	81.6	35.3	116.9	94.7	39.7	134.4	94.8	39.7	134.5
71.9	44.1	116.0	77.2	44.1	121.3	79.4	46.3	125.7	94.7	48.5	143.2	112.4	66.1	178.5
1.8	0	1.8	2.2	0	2.2	2.2	0	2.2	6.0	0	6.0	5.9	0	5.9
657.6	636.7	1294.3	619.0	771.8	1390.8	712.9	912.7	1625.6	1029.1	993.1	2022.2	1095.2	1124.1	2219.3
0	0	0	2.2	0	2.2	4.4	0	4.4	11.0	0	11.0	11.0	0	11.0
89.3	124.1	213.4	68.6	105.8	174.4	70.5	110.2	180.7	161.5	143.9	305.4	163.1	144.0	307.1
1937.8	**2542.0**	**4479.8**	**2039.3**	**2685.3**	**4724.6**	**2339.1**	**2993.9**	**5333.0**	**3346.6**	**4063.1**	**7409.7**	**3730.2**	**5008.8**	**8739.0**
10601.9	**13267.3**	**23869.2**	**9889.8**	**12464.8**	**22354.6**	**10732.0**	**13743.5**	**24475.5**	**14252.7**	**17537.6**	**31790.3**	**14982.4**	**18913.3**	**33895.7**

TABLE 5A: WORLD CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	27.8	198.9	226.7	24.9	211.6	236.5	26.5	217.8	244.3	33.7	221.8	255.5
Belgium/Netherlands	79.8	50.7	130.5	79.4	52.0	131.4	79.6	59.3	138.9	82.4	48.5	130.9
Finland	2.6	87.7	90.3	2.6	94.4	97.0	2.6	105.8	108.4	1.3	104.1	105.4
France	45.8	133.8	179.6	42.5	121.7	164.2	40.8	129.9	170.7	36.2	109.3	145.5
West Germany	140.4	101.4	241.8	131.6	108.0	239.6	128.1	110.2	238.3	143.7	101.4	245.1
Greece	15.9	0	15.9	15.9	0	15.9	15.9	0	15.9	15.9	0	15.9
Italy	97.9	137.3	235.2	86.6	103.4	190.0	84.7	86.0	170.7	80.7	60.6	141.3
Norway	0	54.2	54.2	0	62.6	62.6	0	64.6	64.6	0	62.6	62.6
Portugal	5.7	3.1	8.8	4.6	2.6	7.2	5.5	3.7	9.2	6.0	1.5	7.5
Spain	33.1	95.0	128.1	30.4	102.7	133.1	27.8	99.9	127.7	28.2	88.4	116.6
Sweden	0	72.9	72.9	0	81.3	81.3	0	81.3	81.3	0	76.9	76.9
Switzerland	10.4	0	10.4	9.0	0	9.0	7.3	0	7.3	4.0	0	4.0
Turkey	0.7	8.8	9.5	0.7	8.8	9.5	0.7	13.2	13.9	0.7	11.0	11.7
United Kingdom	138.0	250.4	388.4	131.6	274.3	405.9	130.5	306.9	437.4	80.9	241.0	321.9
Total Western Europe	**598.1**	**1194.2**	**1792.3**	**559.8**	**1223.4**	**1783.2**	**550.0**	**1278.6**	**1828.6**	**513.7**	**1127.1**	**1640.8**
EASTERN EUROPE												
Bulgaria	6.6	56.7	63.3	7.0	61.3	68.3	7.1	66.1	73.2	7.3	72.7	80.0
Czechoslovakia	48.5	111.5	160.0	47.4	109.1	156.5	48.5	79.4	127.9	43.7	76.9	120.6
Germany, D.R.	79.4	288.8	368.2	75.0	284.8	359.8	77.2	286.6	363.8	80.5	291.0	371.5
Hungary	0	20.0	20.0	0	19.8	19.8	0	19.0	19.0	0	19.8	19.8
Poland	63.0	147.9	210.9	61.7	144.2	205.9	60.0	124.8	184.8	56.0	134.5	190.5
Romania	19.8	111.1	130.9	20.9	116.8	137.7	21.4	121.2	142.6	20.9	119.0	139.9
U.S.S.R.	650.4	736.3	1386.7	661.4	738.5	1399.9	657.0	742.9	1399.9	672.4	760.6	1433.0
Yugoslavia	32.8	123.4	156.2	33.1	125.7	158.8	34.2	127.9	162.1	33.1	127.9	161.0
Total Eastern Europe	**900.5**	**1595.7**	**2496.2**	**906.5**	**1600.2**	**2506.7**	**905.4**	**1567.9**	**2473.3**	**913.9**	**1602.4**	**2516.3**
TOTAL EUROPE	**1496.6**	**2789.9**	**4288.5**	**1466.3**	**2823.6**	**4289.9**	**1455.4**	**2846.5**	**4301.9**	**1427.6**	**2729.5**	**4157.1**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided as between rayon and acetate yarn, is given on page 134. Also note page 135 for data on production of acetate staple and cigarette tow.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
34.4	237.9	272.3	30.4	222.2	252.6	25.4	241.8	267.2	36.4	245.8	282.2	36.4	249.1	285.5
84.4	32.2	116.6	84.0	19.6	103.6	90.6	13.4	104.0	96.8	39.2	136.0	96.8	39.2	136.0
0	102.7	102.7	0	117.1	117.1	0	127.0	127.0	0	134.5	134.5	0	127.0	127.0
24.3	94.6	118.9	18.9	81.3	100.2	18.5	65.0	83.5	22.0	0	22.0	22.0	0	22.0
143.3	110.2	253.5	134.5	110.2	244.7	130.1	121.3	251.4	149.9	121.3	271.2	149.9	121.3	271.2
15.9	0	15.9	15.9	0	15.9	13.9	0	13.9	16.4	0	16.4	16.4	0	16.4
77.4	53.8	131.2	69.7	31.3	101.0	64.6	0	64.6	77.2	0	77.2	90.4	0	90.4
0	62.6	62.6	0	44.1	44.1	0	0	0	0	0	0	0	0	0
6.4	0.7	7.1	6.8	0	6.8	7.7	0	7.7	8.8	0	8.8	8.8	0	8.8
27.8	83.3	111.1	24.9	70.1	95.0	23.1	47.4	70.5	37.7	77.2	114.9	37.7	77.2	114.9
0	76.5	76.5	0	83.8	83.8	0	86.6	86.6	0	99.2	99.2	0	99.2	99.2
+	0	+	0	0	0	0	0	0	0	0	0	0	0	0
0.7	11.0	11.7	0.7	11.7	12.4	0.7	8.8	9.5	1.1	17.6	18.7	1.1	17.6	18.7
59.5	225.7	285.2	52.9	196.6	249.5	55.1	254.0	309.1	79.4	254.6	334.0	79.4	254.6	334.0
474.1	**1091.2**	**1565.3**	**438.7**	**988.0**	**1426.7**	**429.7**	**965.3**	**1395.0**	**525.7**	**989.4**	**1515.1**	**538.9**	**985.2**	**1524.1**
9.5	76.5	86.0	8.8	75.0	83.8	9.0	55.1	64.1	11.0	92.6	103.6	11.0	92.6	103.6
40.1	79.4	119.5	43.2	78.3	121.5	44.3	83.6	127.9	55.1	125.7	180.8	55.1	125.7	180.8
81.6	291.0	372.6	75.0	281.7	356.7	77.1	286.8	363.9	84.9	319.7	404.6	84.9	335.1	420.0
0	16.5	16.5	0	16.7	16.7	0	14.1	14.1	0	22.0	22.0	0	22.0	22.0
43.0	97.9	140.9	42.5	99.4	141.9	40.1	112.9	153.0	69.4	157.6	227.0	69.4	157.6	227.0
21.2	121.2	142.4	18.1	110.2	128.3	18.7	112.4	131.1	22.0	121.3	143.3	22.0	374.8	396.8
661.4	761.7	1423.1	649.0	750.7	1399.7	661.4	760.6	1422.0	749.6	778.2	1527.8	749.6	778.2	1527.8
33.1	127.9	161.0	28.7	121.2	149.9	30.9	127.9	158.8	37.5	132.3	169.8	37.5	132.3	169.8
889.9	**1572.1**	**2462.0**	**865.3**	**1533.2**	**2398.5**	**881.5**	**1553.4**	**2434.9**	**1029.5**	**1749.4**	**2778.9**	**1029.5**	**2018.3**	**3047.8**
1364.0	**2663.3**	**4027.3**	**1304.0**	**2521.2**	**3825.2**	**1311.2**	**2518.7**	**3829.9**	**1555.2**	**2738.8**	**4294.0**	**1568.4**	**3003.5**	**4571.9**

TABLE 5B: WORLD CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (continued)

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION											
	1977			1978			1979			1980		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**352.7**	**535.1**	**887.8**	**362.9**	**541.7**	**904.6**	**373.5**	**556.4**	**929.9**	**355.6**	**450.4**	**806.0**
OTHER AMERICAS												
Argentina	12.1	12.6	24.7	9.7	8.4	18.1	11.2	10.4	21.6	4.4	3.3	7.7
Brazil	63.5	47.8	111.3	53.1	49.4	102.5	53.8	56.2	110.0	57.3	55.8	113.1
Canada	24.2	57.8	82.0	27.1	59.1	86.2	31.1	69.0	100.1	30.9	66.1	97.0
Chile	2.0	6.4	8.4	1.8	7.3	9.1	2.2	6.6	8.8	2.2	6.6	8.8
Colombia	7.3	0	7.3	7.5	0	7.5	7.5	0	7.5	5.3	0	5.3
Cuba	5.3	8.1	13.4	5.0	8.2	13.2	5.3	8.4	13.7	4.8	8.4	13.2
Mexico	41.2	19.4	60.6	37.9	23.1	61.0	37.7	22.7	60.4	37.0	24.2	61.2
Peru	2.9	0	2.9	2.4	0	2.4	2.9	0	2.9	3.3	0	3.3
Uruguay	2.6	0	2.6	2.9	0	2.9	3.1	0	3.1	2.9	0	2.9
Venezuela	6.6	0	6.6	6.6	0	6.6	6.6	0	6.6	6.2	0	6.2
Total Other Americas	**167.7**	**152.1**	**319.8**	**154.0**	**155.5**	**309.5**	**161.4**	**173.3**	**334.7**	**154.3**	**164.4**	**318.7**
JAPAN	**236.8**	**601.6**	**838.4**	**242.1**	**616.0**	**858.1**	**252.0**	**640.2**	**892.2**	**263.0**	**612.9**	**875.9**
OTHER AFRICA, ASIA & OCEANIA												
Bangladesh	3.1	0	3.1	6.6	0	6.6	9.0	0	9.0	7.7	0	7.7
China, People's Republic of	134.5	169.8	304.3	143.3	176.4	319.7	149.9	187.4	337.3	165.3	209.4	374.7
Egypt	13.7	5.3	19.0	13.2	8.1	21.3	12.8	9.3	22.1	13.2	8.8	22.0
India	129.8	192.0	321.8	137.6	202.8	340.4	133.4	203.3	336.7	127.2	164.7	291.9
Indonesia	0	0	0	0	0	0	0	0	0	0	0	0
Iraq	6.2	11.7	17.9	6.6	12.1	18.7	6.4	11.9	18.3	6.6	12.1	18.7
Korea, Republic of	28.2	21.4	49.6	28.0	22.0	50.0	29.1	22.9	52.0	27.3	33.1	60.4
Pakistan	5.7	0	5.7	5.1	0	5.1	4.4	0	4.4	5.9	0	5.9
Taiwan	6.6	146.8	153.4	6.8	147.5	154.3	6.6	154.3	160.9	6.6	166.0	172.6
Thailand	0	23.6	23.6	0	29.8	29.8	0	33.3	33.3	0	36.2	36.2
Total Other A.,A. & O.	**327.8**	**570.6**	**898.4**	**347.2**	**598.7**	**945.9**	**351.6**	**622.4**	**974.0**	**359.8**	**630.3**	**990.1**
WORLD TOTAL	**2583.6**	**4649.3**	**7232.9**	**2572.5**	**4735.5**	**7308.0**	**2593.9**	**4838.8**	**7432.7**	**2560.3**	**4587.5**	**7147.8**

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1981			1982			1983			1984			1985		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
305.6	**464.5**	**770.1**	**228.4**	**354.9**	**583.3**	**254.2**	**374.3**	**628.5**	***330.9***	***509.9***	***840.8***	***330.9***	***509.9***	***840.8***
2.2	0	2.2	3.5	0	3.5	3.8	0	3.8	*22.0*	*22.0*	*44.0*	*22.0*	*22.0*	*44.0*
46.3	55.8	102.1	45.9	53.4	99.3	40.6	48.5	89.1	*55.6*	*68.8*	*124.4*	*55.6*	*68.8*	*124.4*
29.8	62.2	92.0	20.9	61.7	82.6	22.0	66.1	88.1	*32.0*	*83.8*	*115.8*	*32.0*	*83.8*	*115.8*
2.2	6.6	8.8	2.2	7.0	9.2	2.2	7.0	9.2	*4.4*	*11.9*	*16.3*	*4.4*	*11.9*	*16.3*
4.0	0	4.0	3.9	0	3.9	4.0	0	4.0	*7.7*	*0*	*7.7*	*7.7*	*0*	*7.7*
4.8	8.4	13.2	4.6	7.9	12.5	4.4	7.7	12.1	*6.6*	*11.0*	*17.6*	*6.6*	*11.0*	*17.6*
36.6	24.9	61.5	31.1	11.9	43.0	23.8	11.0	34.8	*32.4*	*22.5*	*54.9*	*32.4*	*22.5*	*54.9*
2.9	0	2.9	2.2	0	2.2	2.2	0	2.2	*3.7*	*0*	*3.7*	*3.7*	*0*	*3.7*
2.2	0	2.2	1.3	0	1.3	2.2	0	2.2	*3.1*	*0*	*3.1*	*3.1*	*0*	*3.1*
6.2	0	6.2	2.6	0	2.6	3.3	0	3.3	*5.3*	*0*	*5.3*	*5.3*	*0*	*5.3*
137.2	**157.9**	**295.1**	**118.2**	**141.9**	**260.1**	**108.5**	**140.3**	**248.8**	***172.8***	***220.0***	***392.8***	***172.8***	***220.0***	***392.8***
261.7	**602.9**	**864.6**	**265.6**	**570.5**	**836.1**	**257.5**	**590.6**	**848.1**	***299.8***	***692.9***	***992.7***	***299.8***	***692.9***	***992.7***
6.6	0	6.6	5.5	0	5.5	5.5	2.2	7.7	*11.9*	*11.0*	*22.9*	*11.9*	*11.0*	*22.9*
176.4	231.5	407.9	176.4	231.5	407.9	187.4	246.9	434.3	*220.5*	*286.6*	*507.1*	*220.5*	*286.6*	*507.1*
13.2	8.8	22.0	15.4	9.9	25.3	15.4	10.1	25.5	*15.4*	*11.9*	*27.3*	*15.4*	*11.9*	*27.3*
123.2	208.3	331.5	107.1	116.4	223.5	101.9	152.6	254.5	*153.2*	*202.8*	*356.0*	*153.2*	*365.5*	*518.7*
0	0	0	0	22.3	22.3	0	26.5	26.5	*0*	*79.4*	*79.4*	*0*	*79.4*	*79.4*
6.6	12.1	18.7	6.6	12.1	18.7	6.6	12.1	18.7	*7.7*	*14.3*	*22.0*	*7.7*	*14.3*	*22.0*
28.2	30.6	58.8	21.8	12.8	34.6	28.4	0	28.4	*30.4*	*59.5*	*89.9*	*30.4*	*59.5*	*89.9*
5.3	0	5.3	4.0	0	4.0	5.5	0	5.5	*7.3*	*0*	*7.3*	*7.3*	*0*	*7.3*
6.6	213.2	219.8	7.3	197.3	204.6	6.6	217.2	223.8	*9.5*	*219.1*	*228.6*	*9.5*	*219.1*	*228.6*
0	36.1	36.1	0	34.2	34.2	0	38.6	38.6	*0*	*40.1*	*40.1*	*0*	*40.1*	*40.1*
366.1	**740.6**	**1106.7**	**344.1**	**636.5**	**980.6**	**357.3**	**706.2**	**1063.5**	**455.9**	**924.7**	**1380.6**	***455.9***	***1087.4***	***1543.3***
2434.6	**4629.2**	**7063.8**	**2260.3**	**4225.0**	**6485.3**	**2288.7**	**4330.1**	**6618.8**	**2814.6**	**5086.3**	**7900.9**	***2827.8***	***5513.7***	***6341.5***

TABLE 6: RAYON VS. ACETATE FILAMENT YARN PRODUCTION BY COUNTRY

MILLION POUNDS

	WEST EUROPE																			
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE		WEST GERMANY			ITALY			SPAIN			UNITED KINGDOM			OTHER[a]
YEAR	H	R	H	R	A	H	R	H	R+C	A	H	R+C	A	H	R	A	H	R	A	R
1977	20	8	38	31	11	18	28	84	53	4	24	34	39	15	13	4	37	27	76	34
1978	18	7	34	32	13	20	22	77	51	4	24	25	36	13	11	6	34	22	77	34
1979	18	9	30	34	15	21	20	72	51	4	24	20	41	11	11	7	25	22	82	33
1980	25	9	35	35	13	15	20	88	54	2	24	11	45	13	10	7	2	4	76	26
1981	25	9	35	36	13	4	20	86	55	2	23	11	42	11	11	7	0	0	60	24
1982	19	11	35	35	13	0	19	88	49	0	22	8	42	9	9	7	0	0	53	20
1983	18	9	40	37	15	0	19	86	45	0	22	4	40	7	9	7	0	0	55	20
PRODUCING CAPACITY																				
1984	*24*	*11*	*42*	*37*	*18*	*0*	*22*	*95*	*55*	*0*	*26*	*7*	*44*	*20*	*11*	*9*	*0*	*0*	*79*	*26*
1985	*24*	*11*	*42*	*37*	*18*	*0*	*22*	*95*	*55*	*0*	*26*	*20*	*44*	*20*	*11*	*9*	*0*	*0*	*79*	*26*

	W. EUROPE *(cont.)*			EAST EUROPE																
	TOTAL WEST EUROPE			BULGARIA	CZECHOSLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.			YUGOSLAVIA		TOTAL EAST EUROPE		
YEAR	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A
1977	**236**	**228**	**134**	7	21	27	29	50	17	46	13	7	364	177	110	15	18	**459**	**332**	**110**
1978	**220**	**204**	**136**	7	22	25	29	46	18	44	13	8	364	177	121	15	18	**461**	**325**	**121**
1979	**201**	**200**	**149**	7	22	26	29	48	16	44	13	8	360	177	121	15	19	**455**	**329**	**121**
1980	**202**	**169**	**143**	7	20	24	30	51	15	41	13	8	364	187	121	15	18	**457**	**336**	**121**
1981	**184**	**166**	**124**	9	18	22	31	51	10	33	13	8	364	177	121	15	18	**451**	**318**	**121**
1982	**173**	**151**	**115**	9	18	25	29	46	9	33	11	7	349	176	119	14	15	**430**	**311**	**119**
1983	**173**	**143**	**117**	9	18	25	31	49	9	31	11	7	357	184	121	15	15	**441**	**320**	**121**
PRODUCING CAPACITY																				
1984	***207***	***169***	***150***	*11*	*24*	*31*	*31*	*53*	*20*	*51*	*13*	*9*	*375*	*220*	*154*	*18*	*20*	***481***	***395***	***154***
1985	***207***	***182***	***150***	*11*	*24*	*31*	*31*	*53*	*20*	*51*	*13*	*9*	*375*	*220*	*154*	*18*	*20*	***481***	***395***	***154***

	OTHER AMERICAS																			
	U.S.A.			ARGENTINA			BRAZIL			CANADA	CHILE	COLOMBIA	CUBA		MEXICO			PERU		URUGUAY
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	A	H	R	H	R	A	R	A	A
1977	**55**	**16**	**282**	2	8	2	25	26	13	24	2	7	5	+	6	15	20	2	1	3
1978	**46**	**15**	**302**	2	6	2	18	27	8	27	2	7	5	+	6	13	19	+	2	3
1979	**42**	**15**	**316**	3	6	2	16	31	7	31	2	7	5	+	7	13	18	+	3	3
1980	**31**	**15**	**310**	2	2	+	13	36	9	31	2	5	5	+	7	13	17	+	3	3
1981	**33**	**15**	**258**	0	+	2	10	29	7	30	2	4	5	+	7	13	17	+	3	2
1982	**20**	**12**	**185**	0	0	2	9	33	4	21	2	4	5	+	7	11	13	0	2	1
1983	**15**	**11**	**227**	0	0	4	8	31	2	21	2	4	5	+	7	4	13	0	2	2
PRODUCING CAPACITY																				
1984	***46***	***15***	***269***	*2*	*11*	*7*	*11*	*35*	*11*	*31*	*4*	*9*	*7*	+	*7*	*7*	*20*	*0*	*4*	*2*
1985	***46***	***15***	***269***	*2*	*11*	*7*	*11*	*35*	*11*	*31*	*4*	*9*	*7*	+	*7*	*7*	*20*	*0*	*4*	*2*

	OTHER AMERICAS *(cont.)*				OTHER AFRICA, ASIA & OCEANIA															
	VENEZUELA	TOTAL OTHER AMERICAS			JAPAN			INDIA			PAKISTAN	REP. OF KOREA		OTHER[b]	TOTAL OTHER A,A & O			WORLD TOTAL		
YEAR	A	H	R	A	H	R+C	A	H	R	A	A	R	A	R	H	R	A	H	R+C	A
1977	7	**38**	**53**	**77**	**9**	**163**	**65**	38	88	4	6	24	4	163	**38**	**275**	**14**	**835**	**1067**	**682**
1978	7	**31**	**48**	**75**	**9**	**172**	**61**	39	95	4	5	24	4	175	**33**	**294**	**13**	**806**	**1058**	**708**
1979	7	**31**	**52**	**78**	**7**	**177**	**68**	36	93	4	4	25	4	187	**36**	**305**	**12**	**772**	**1078**	**744**
1980	6	**27**	**53**	**74**	**7**	**185**	**71**	31	92	4	6	22	4	199	**31**	**313**	**14**	**755**	**1072**	**733**
1981	6	**22**	**44**	**71**	**9**	**182**	**71**	31	88	4	5	24	4	209	**31**	**321**	**13**	**730**	**1046**	**658**
1982	6	**21**	**46**	**53**	**9**	**184**	**75**	31	84	4	5	18	4	209	**31**	**311**	**13**	**684**	**1015**	**561**
1983	2	**20**	**37**	**50**	**7**	**181**	**70**	24	79	4	7	24	4	214	**24**	**317**	**15**	**680**	**1009**	**600**
PRODUCING CAPACITY																				
1984	*4*	***27***	***57***	***88***	***22***	***203***	***75***	*46*	*101*	*7*	*7*	*26*	*4*	*266*	***46***	***393***	***18***	***829***	***1232***	***754***
1985	*4*	***27***	***57***	***88***	***22***	***203***	***75***	*46*	*101*	*7*	*7*	*26*	*4*	*266*	***46***	***393***	***18***	***829***	***1232***	***754***

H Means high tenacity (tire & industrial type) viscose rayon yarn.
R Means regular+intermediate tenacity viscose rayon yarn.
C Means cuprammonium rayon yarn.
A Means acetate+triacetate yarn.

a. Comprises Finland, Greece, Portugal, Switzerland and Turkey.
b. Comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

TABLE 7: WORLD GLASS FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS

COUNTRY	PRODUCTION 1977	1978	1979	1980	1981	1982	1983	CAPACITY *1984*	*1985*
WEST EUROPE	644	670	683	661	611	551	639	*816*	*816*
EAST EUROPE[a]								*110*	*110*
U.S.A.	787	924	1014	866	1041	899	1168	*1678*	*1839*
OTHER AMERICAS	57	59	62	66	68	77	82	*132*	*132*
JAPAN	280	322	392	368	384	436	454	*525*	*573*
OTHER A,A & O[b]	29	26	26	29	31	26	31	*68*	*68*
TOTAL ABOVE	**1797**	**2001**	**2177**	**1990**	**2135**	**1989**	**2374**	***3329***	***3538***
CHINA P.R.C.	DATA ARE NOT AVAILABLE					66	66	*110*	*110*
U.S.S.R.						143	143	*220*	*220*

Glass fiber is defined on page 94 of the June 1984 issue. The glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1984 (1984) and December 1985 (1985).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

TABLE 8: ESTIMATED WORLD CIGARETTE TOW PRODUCTION

MILLION POUNDS

AREA	1977	1978	1979	1980	1981	1982	1983
EUROPE[a]	148	168	163	163	178	178	176
U.S.A.	382	397	439	485	498	476	465
OTHER AMERICAS[b]							
ASIA[c]	86	88	90	90	93	93	95
WORLD TOTAL	**616**	**653**	**692**	**738**	**769**	**747**	**736**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Rep. of Korea.

TABLE 9: WORLD ACETATE STAPLE PRODUCTION & CAPACITY

MILLION POUNDS

COUNTRY	PRODUCTION 1977	1978	1979	1980	1981	1982	1983	CAPACITY *1984*	*1985*
U.K.	1.5	1.1	1.1	0.7	0.4	0.4	0.4	*1.1*	*1.1*
U.S.A.	8.0	7.0	7.0	7.0	4.0	1.1	1.3	*4.0*	*4.0*
CANADA	3.7	1.3	0	0	0	0	0	*0*	*0*
INDIA	0.4	0.9	0.9	0.2	0.7	0.7	0.4	*1.8*	*1.8*
WORLD TOTAL	**13.6**	**10.3**	**9.0**	**7.9**	**5.1**	**2.2**	**2.1**	***6.9***	***6.9***

TABLE 10: WORLD OLEFIN FIBER PRODUCTION

MILLION POUNDS

COUNTRY	1977	1978	1979	1980	1981	1982	1983
WEST EUROPE							
BENELUX	90	108	123	126	145	161	165
DENMARK	27	31	33	31	31	29	31
FRANCE	57	66	53	59	62	57	64
GERMANY, F.R.	113	115	126	117	123	121	134
IRELAND (EIRE)	13	11	13	20	20	18	20
ITALY	117	130	135	126	137	130	148
UNITED KINGDOM	174	176	181	176	179	167	176
SUBTOTAL EEC	**591**	**637**	**664**	**655**	**697**	**683**	**738**
AUSTRIA	33	39	41	39	37	42	44
FINLAND	7	7	7	7	7	7	9
GREECE/CYPRUS	17	20	22	20	20	20	22
NORWAY	7	7	9	9	9	9	11
PORTUGAL	59	86	84	88	84	84	86
SPAIN	77	79	81	84	84	79	79
SWEDEN	7	7	7	7	7	7	9
SWITZERLAND	7	7	7	7	7	7	9
TURKEY	11	13	11	11	11	11	13
TOTAL WEST EUROPE	**816**	**902**	**933**	**927**	**963**	**949**	**1020**
EAST EUROPE							
CZECHOSLOVAKIA	26	24	26	24	24	24	26
HUNGARY	18	22	29	33	35	35	35
POLAND	29	31	29	31	33	26	33
U.S.S.R.	26	26	33	33	33	29	40
U.S.A.							
YARN+MONOFIL	304	315	333	324	320	295	392
STAPLE	79	95	119	115	141	139	190
FILM FIBER	249	282	306	309	326	289	317
OTHER AMERICAS							
ARGENTINA	22	24	24	22	22	24	26
BRAZIL	73	88	86	88	88	86	79
CANADA	70	68	71	66	66	62	70
CHILE	0	2	2	2	2	2	2
EL SALVADOR	4	4	4	4	4	4	7
GUATEMALA							
HONDURAS							
MEXICO	37	40	44	48	51	51	57
NICARAGUA	2	2	2	2	2	2	2
PERU	11	11	11	11	13	13	13
URUGUAY	4	2	2	2	4	2	4
JAPAN							
YARN+MONOFIL	33	35	40	35	31	31	31
STAPLE	55	60	64	60	57	62	64
FILM FIBER	99	NA	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	37	40	44	44	44	42	46
KOREA, REP. OF	13	15	18	9	7	4	2
PHILIPPINES	2	4	4	4	4	7	7
SOUTH AFRICA	20	7	7	7	7	7	11
TAIWAN	88	97	101	110	117	123	132
OTHER	+	+	+	+	+	+	2

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 115 of the June ***Organon***.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

TABLE 11: U.S. PRODUCTION OF HOSIERY, 1970-1983

MILLION DOZEN PAIRS

ITEM	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
WOMEN'S														
PANTYHOSE - SHEER	81.7	60.7	76.0	68.9	54.4	51.6	55.1	47.6	44.6	55.3	57.3	59.6	58.5	64.0
- ELASTOMER	6.7	4.8	2.3	3.8	4.7	8.6	13.8	19.4	27.7	33.2	36.7	42.5	43.2	47.6
- OTHER[a]			2.6	2.3	0.9	0.9	1.5	1.7	1.6	2.4	2.0	2.4	3.4	5.0
SUBTOTAL PANTYHOSE	**88.4**	**65.5**	**80.9**	**75.0**	**60.0**	**61.3**	**70.4**	**68.7**	**73.9**	**90.9**	**96.0**	**104.5**	**105.1**	**116.6**
STOCKINGS - NONSTRETCH	23.4	14.1	8.5	7.7	5.9	4.5	3.7	3.0	2.6	2.4	2.0	1.8	1.5	1.5
- STRETCH	9.5	11.0	7.1	6.6	6.1	3.5	2.8	2.4	2.8	2.7	2.4	2.1	2.4	2.7
- SUPPORT	1.8	1.3	0.9	0.8	0.8	0.7	0.9	1.0	1.0	0.7	0.7	0.6	0.5	0.6
- OTHER	1.6	1.1	0.7	0.5	0.4	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	+
SUBTOTAL STOCKINGS	**36.3**	**27.5**	**17.2**	**15.6**	**13.2**	**8.8**	**7.5**	**6.6**	**6.5**	**6.0**	**5.2**	**4.6**	**4.5**	**4.8**
SHEER KNEE-HIGHS & ANKLETS	1.0	2.1	4.6	9.3	15.5	27.6	35.9	35.3	30.5	44.8	38.4	42.6	38.1	40.3
TOTAL WOMEN'S	**125.7**	**95.1**	**102.7**	**99.9**	**88.7**	**97.7**	**113.8**	**110.6**	**110.9**	**141.7**	**139.6**	**151.7**	**147.7**	**161.7**
MEN'S (sizes 10 and up)														
ANKLETS & FOOTSOCKS	54.1	49.7	52.9	52.9	53.9	51.2	51.5	50.7	51.7	43.7	27.9	27.8	27.1	27.2
MID CALF	5.7	6.1	6.9	6.8	6.1	6.3	7.7	9.5	11.3	12.5	17.4	19.9	17.3	17.8
KNEE-HIGHS	4.4	3.9	3.7	4.0	4.2	5.7	6.8	9.1	13.4	16.0	17.8	20.7	17.6	21.5
TOTAL MEN'S	**64.2**	**59.7**	**63.5**	**63.7**	**64.2**	**63.2**	**66.0**	**69.3**	**76.4**	**72.2**	**63.1**	**68.4**	**62.0**	**66.5**
GIRLS', BOYS' & WOMEN'S (sizes 8-11)														
ANKLETS	20.4	21.4	21.3	22.2	20.7	20.7	21.3	20.3	18.5	19.6	12.5	14.6	11.9	17.3
KNEE-HIGHS	10.4	11.9	14.2	15.0	16.1	16.8	19.4	21.9	20.6	22.1	24.3	29.8	23.4	25.7
MID-CALF/CREW	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	4.5	4.0	4.9
WAIST-HIGHS											0.3	0.5	0.5	0.5
FOOTSOCKS	2.8	2.7	4.5	4.0	4.6	4.4	5.7	6.8	7.6	6.7	8.6	9.4	6.5	5.8
TOTAL GIRLS', BOYS' & WOMEN'S	**33.6**	**36.0**	**40.0**	**41.2**	**41.4**	**41.9**	**46.4**	**49.0**	**46.7**	**48.4**	**48.8**	**58.8**	**46.3**	**54.2**
INFANTS' & CHILDREN'S (sizes 3-8½)														
ANKLETS	15.3	15.6	17.3	17.9	17.3	17.3	21.3	21.4	22.1	22.1	19.3	20.5	16.1	16.5
KNEE-HIGHS	4.2	3.8	3.6	4.1	4.2	4.1	5.5	6.1	6.4	8.5	6.6	7.7	6.7	6.9
MID-CALF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	1.2	1.4	1.4
WAIST-HIGHS & FOOTSOCKS	1.1	0.7	0.8	0.6	0.6	0.6	0.9	1.0	1.3	1.6	1.6	1.8	1.6	2.2
TOTAL INFANTS' & CHILDREN'S	**20.6**	**20.1**	**21.7**	**22.6**	**22.1**	**22.0**	**27.7**	**28.5**	**29.8**	**32.2**	**28.8**	**31.2**	**25.8**	**27.0**
TOTAL HOSIERY	**244.1**	**210.9**	**227.9**	**227.4**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.3**	**310.1**	**281.8**	**309.4**

SOURCE: National Association of Hosiery Manufactures - ***1983 Hosiery Statistics.***

+ means nominal poundage

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 12: U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	4TH Q 1982			1ST Q 1983			2ND Q 1983			3RD Q 1983			4TH Q 1983			1ST Q 1984		
	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]	IMP	EXP	BAL[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	1.3	4.2	2.9 E	2.0	5.1	3.1 E	2.0	3.4	1.4 E	2.6	3.8	1.2 E	2.1	3.4	1.3 E	2.7	4.4	1.7 E
STAPLE+TOW[b]	2.8	19.9	17.1 E	2.3	8.6	6.3 E	4.1	18.7	14.6 E	3.5	9.2	5.7 E	3.8	6.7	2.9 E	4.9	16.1	11.2 E
WASTE	0	0.5	0.5 E	+	0.4	0.4 E	0.1	0.2	0.1 E	+	0.2	0.2 E	0.1	0.6	0.5 E	0.1	0.9	0.8 E
SUBTOTAL ABOVE	**4.1**	**24.6**	**20.5 E**	**4.3**	**14.1**	**9.8 E**	**6.2**	**22.3**	**16.1 E**	**6.1**	**13.2**	**7.1 E**	**6.0**	**10.7**	**4.7 E**	**7.7**	**21.4**	**13.7 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	7.8	59.8	52.0 E	9.1	64.4	55.3 E	11.2	61.3	50.1 E	11.3	50.6	39.3 E	16.8	50.4	33.6 E	22.8	57.7	34.9 E
STAPLE+TOW	15.4	89.8	74.4 E	18.8	88.6	69.8 E	24.2	88.8	64.6 E	21.6	60.4	38.8 E	36.8	73.9	37.1 E	34.6	94.5	59.9 E
WASTE	7.8	20.0	12.2 E	9.0	18.0	9.0 E	10.8	16.3	5.5 E	12.3	16.7	4.4 E	13.7	20.3	6.6 E	12.8	19.7	6.9 E
SUBTOTAL ABOVE	**31.0**	**169.6**	**138.6 E**	**36.9**	**171.0**	**134.1 E**	**46.2**	**166.4**	**120.2 E**	**45.2**	**127.7**	**82.5 E**	**67.3**	**144.6**	**77.3 E**	**70.2**	**171.9**	**101.7 E**
TOTAL FIBER ABOVE[c]	**35.1**	**194.2**	**159.1 E**	**41.2**	**185.1**	**143.9 E**	**52.4**	**188.7**	**136.3 E**	**51.3**	**140.9**	**89.6 E**	**73.3**	**155.3**	**82.0 E**	**77.9**	**193.3**	**115.4 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	0.4	1.1	**0.7** E	1.4	1.1	0.3 I	1.5	1.0	0.5 I	1.2	1.1	0.1 I	0.8	1.3	0.5 E	2.0	1.7	0.3 I
SPUN YARNS	9.4	5.9	3.5 I	7.8	2	0.6 I	10.2	7.6	2.6 I	12.9	5.5	7.4 I	10.9	5.5	5.4 I	12.2	5.7	6.5 I
THREAD & CRAFT YARNS	0.7	1.3	0.6 E	0.8	1.3	0.5 E	0.8	1.4	0.6 E	0.7	1.1	0.4 E	1.1	1.3	0.2 E	1.7	2.0	0.3 E
TIRE CORD & FABRIC	0.7	5.3	4.6 E	0.6	4.4	3.8 E	0.5	5.2	4.7 E	+	6.8	6.8 E	0.1	6.8	6.7 E	0.1	7.6	7.5 E
WOVEN FABRIC	21.4	33.9	12.5 E	25.1	28.3	3.2 E	34.9	29.0	5.9 I	33.6	25.5	8.1 I	29.6	25.8	3.8 I	36.5	24.7	11.8 I
KNIT FABRIC	0.5	4.3	3.8 E	0.5	3.5	3.0 E	0.5	3.5	3.0 E	0.5	3.7	3.2 E	0.7	3.5	2.8 E	0.7	3.3	2.6 E
NARROW FABRICS	2.0	6.1	4.1 E	3.7	5.1	1.4 E	3.2	6.4	3.2 E	3.0	7.6	4.6 E	2.9	6.5	3.6 E	3.3	6.0	2.7 E
APPAREL - KNIT	47.4	14.5	97.5 I	48.0	17.6	105.2 I	64.5	17.0	126.1 I	77.3	17.6	157.6 I	51.5	18.7	114.5 I	58.6	20.4	147.2 I
- NOT KNIT	64.6			74.8			78.6			97.9			81.7			109.0		
HOME FURNISHINGS[e]	16.0	14.7	12.0 E	23.2	15.7	7.3 E	28.7	36.5	22.3 E	30.1	27.3	11.7 E	39.2	25.5	0	43.0	25.9	2.1 I
OTHER		13.3			14.8			14.5			14.5			13.7			15.0	
TOTAL MANUFACTURES	**163.1**	**100.4**	**62.7 I**	**185.9**	**99.0**	**86.9 I**	**223.4**	**122.1**	**101.3 I**	**257.2**	**110.7**	**146.5 I**	**218.5**	**108.6**	**109.9 I**	**267.1**	**112.3**	**154.8 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**198.2**	**294.6**	**96.4 E**	**227.1**	**284.1**	**57.0 E**	**275.8**	**310.8**	**35.0 E**	**308.5**	**251.6**	**56.9 I**	**291.8**	**263.9**	**27.9 I**	**345.0**	**305.6**	**39.4 I**
COTTON MANUFACTURES[f]	**214.4**	**55.6**	**158.8 I**	**273.8**	**56.0**	**217.8 I**	**265.2**	**55.6**	**209.6 I**	**305.2**	**51.9**	**253.3 I**	**282.4**	**55.4**	**227.0 I**	**386.2**	**51.2**	**335.0 I**
WOOL MANUFACTURES[g]	**23.9**	**2.5**	**21.4 I**	**25.0**	**10.8**	**14.2 I**	**35.5**	**13.5**	**22.0 I**	**49.8**	**5.8**	**44.0 I**	**35.7**	**6.1**	**29.6 I**	**41.9**	**6.1**	**35.8 I**

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Outlook & Situation*, a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

[a] **E** means a net export balance
I is a net import balance.

[b] Acetate tow is excluded.

[c] The fibers included are shown as "Total Man-Made Fiber Above" on pages 75 and 79 of the May 1984 Organon.

[d] Man-made fiber equivalent.

[e] These import data do not reflect significant poundages of luggage. For May-December 1982 this poundage totaled 109.1 million pounds. For 1983, on a quarterly basis, the total was 40.0, 41.2, 47.3 and 52.1 million pounds. For first quarter 1984 the total was 62.3 million pounds.

[f] Raw cotton equivalent. Data are similar to those on page 140 of this issue.

[g] Raw wool content. The data differ from those on page 140 of this issue to the extent that noils and waste are included here.

TABLE 13: SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1984 JAN	FEB	MAR	APR	MAY	JUNE	5 MONTHS 1984	1983
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	55	5	0	0	0		60	90
CANADA	42	12	327	45	366		792	758
MEXICO	163	120	55	41	41		420	272
AUSTRIA	0	0	0	0	0		0	936
GERMANY, FED. REP. OF	714	327	396	256	405		2098	550
NETHERLANDS	28	40	40	57	49		214	221
UNITED KINGDOM	0	0	+	0	0		+	63
JAPAN	74	86	62	23	104		349	137
REP. OF KOREA	60	0	40	0	80		180	40
ALL OTHER COUNTRIES[a]	0	1	43	27	27		98	76
TOTAL CELL. YARN	**1136**	**591**	**963**	**449**	**1072**		**4211**	**3143**
CELLULOSIC STAPLE+TOW								
CANADA	803	884	919	390	568		3564	1994
AUSTRIA	390	70	219	282	189		1150	329
FRANCE	16	18	7	2	0		43	74
SWEDEN	164	432	190	92	402		1280	1127
UNITED KINGDOM	225	81	42	60	136		544	145
JAPAN	116	47	162	134	121		580	836
TAIWAN	0	0	0	0	0		0	96
ALL OTHER COUNTRIES[b]	0	+	0	+	1		1	19
TOTAL CELL. STAPLE	**1714**	**1532**	**1539**	**960**	**1417**		**7162**	**4620**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	1284	1467	1745	2221	1742		8459	3279
MEXICO	1317	1796	1574	1486	1101		7274	1423
FRANCE	224	222	104	133	125		808	750
GERMANY, FED. REP. OF	846	1097	2010	1482	2459		7894	2716
ITALY	199	569	390	407	642		2207	643
NETHERLANDS	54	95	26	17	5		197	133
SPAIN	95	225	2	0	1		323	435
SWITZERLAND	17	101	71	51	9		249	398
UNITED KINGDOM	531	89	366	204	289		1479	1461
ISRAEL	111	72	84	43	148		458	579
JAPAN	1131	1338	1660	1574	1640		7343	4424
REP. OF KOREA	42	55	37	24	13		171	204
TAIWAN	122	+	60	36	109		327	91
SOUTH AFRICA	347	563	112	450	695		2167	0
ALL OTHER COUNTRIES[c]	231	233	75	108	234		881	151
TOTAL N.C. YARN	**6551**	**7922**	**8316**	**8236**	**9212**		**40237**	**16687**
NONCELLULOSIC STAPLE+TOW								
CANADA	1028	1102	1219	943	1727		6019	2281
COSTA RICA	155	354	237	249	114		1109	91
MEXICO	2812	2217	1451	1342	1629		9451	3213
BELGIUM	32	61	38	41	40		212	116
FRANCE	483	507	834	512	149		2485	3715
GERMANY, FED. REP. OF	1965	1587	2599	2064	2635		10850	6943
ITALY	1182	791	1234	1519	983		5709	5377
NETHERLANDS	88	140	76	63	1		368	232
SWITZERLAND	22	+	113	58	57		250	57
UNITED KINGDOM	1306	1060	1711	1113	1512		6702	5276
AUSTRALIA	0	24	0	0	0		24	91
ISRAEL	45	28	0	30	30		133	112
JAPAN	1334	926	1361	1092	1430		6143	4482
REP. OF KOREA	0	40	62	120	40		262	80
TAIWAN	826	471	1576	1265	941		5079	1738
ROMANIA	138	98	299	488	56		1079	0
SOUTH AFRICA	0	213	0	82	0		295	36
ALL OTHER COUNTRIES[d]	394	88	278	191	53		1004	91
TOTAL N.C. STAPLE	**11810**	**9707**	**13088**	**11172**	**11397**		**57174**	**33931**

+ Means a nominal poundage.

Other countries supplying 1984 poundages are:

[a] Belgium 27, Italy 1, France 49 and Switzerland 21.

[b] Brazil +, Federal Republic of Germany + and Mexico 1.

[c] Australia 78, Austria 164, Belgium 62, Brazil 177, Denmark 32, Finland 1, India +, Ireland 35, Morocco 1, Norway 27, Portugal 1, Romania 279 and Sweden 24.

[d] Austria 30, Brazil 416, Denmark 61, Finland 37, Honduras 75, Hong Kong 2, Ireland 22, Poland 13, Portugal 41, Spain 25, Sweden 71 and Turkey 211.

TABLE 14: U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1984						5 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1984	1983
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310 0106 & 0206	0	0	38	79	184		301	206
OTHER	310 0130 & 0230[a]	1136	585	880	359	878		3838	2850
MONOFILAMENTS	309 0310 & 0610	0	0	0	2	0		2	+
STRIPS, $1/LB & UNDER	309 2000*	0	6	45	9	10		70	87
SUBTOTAL ABOVE		**1136**	**591**	**963**	**449**	**1072**		**4211**	**3143**
STAPLE	309 4320 & 4325	1517	1483	1365	900	1209		6474	4317
GROUPED FILAMENTS	309 3010 & 3110	197	49	174	60	208		688	303
SUBTOTAL ABOVE		**1714**	**1532**	**1539**	**960**	**1417**		**7162**	**4620**
WASTE, ADVANCED & NOT ADVANCED	309 6500 & 7510	**40**	**69**	**6**	**41**	**38**		**194**	**177**
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310 0109 & 0209	1064	1571	1615	2435	2016		8701	1604
- POLYESTER	310 0110 & 0210	821	1167	834	867	1172		4861	267
- OTHER	310 0114 & 0214	651	604	649	613	837		3354	3148
OTHER - NYLON	310 0149 & 0249	2022	2221	2918	2099	2928		12188	4785
- POLYESTER	310 0150 & 0250	1328	1658	1618	1504	1707		7815	4649
- OTHER	310 0170 & 0270[b]	202	274	310	281	247		1314	1379
MONOFILAMENTS	309 0200 & 0330[c]	383	325	282	336	243		1569	648
STRIPS, OVER $1/LB	309 2100 & 2500*	80	102	90	101	62		435	207
SUBTOTAL ABOVE		**6551**	**7922**	**8316**	**8236**	**9212**		**40237**	**16687**
STAPLE - NYLON	309 4338	2921	2034	2936	3665	2450		14006	10689
- POLYESTER	309 4342	3115	2489	2224	1816	2156		11800	4127
- ACRYLIC	309 4345	1081	1257	913	1297	1652		6200	4479
- OLEFIN	309 4346	325	76	474	173	184		1232	537
- OTHER	309 4355	1109	969	1627	1551	1219		6475	3705
GROUPED FILAMENTS									
NYLON	309 3030 & 3130	2271	1604	2787	1509	2033		10204	7269
POLYESTER	309 3040 & 3140	227	593	1026	611	793		3250	287
ACRYLIC	309 3050 & 3150	646	538	978	355	762		3279	2502
OTHER	309 3065 & 3165	115	147	123	195	148		728	336
SUBTOTAL ABOVE		**11810**	**9707**	**13088**	**11172**	**11397**		**57174**	**33931**
WASTE, NOT ADVANCED									
- NYLON	309 6625	2390	4767	2062	1623	1585		12427	8831
- POLYESTER	309 6630	634	810	621	775	458		3298	4306
- ACRYLIC	309 6645	37	1	0	0	0		38	229
- OTHER	309 6660	139	213	452	265	308		1377	1447
NOILS & GARNETTED FIBERS	309 6000 & 7000*	56	62	12	0	15		145	57
OTHER WASTE, ADVANCED	309 7525 - 7555	105	300	179	299	218		1101	1305
SUBTOTAL ABOVE		**3361**	**6153**	**3326**	**2962**	**2584**		**18386**	**16175**
TOTAL MAN-MADE ABOVE		**24612**	**25974**	**27238**	**23820**	**25720**		**127364**	**74733**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310 1106	0	+	0	0	0		+	0
- NONCELLULOSIC	310 1015[d] & 1109[e]	1109	1204	1068	968	610		4959	2810
OTHER - CELLULOSIC	310 1030 & 1135[f]	2	12	8	8	14		44	46
- NONCELLULOSIC	310 1050 & 1070[g]	146	84	162	183	517		1092	1192
SPUN YARN - CELLULOSIC	310 4005 & 4030[h]	104	52	136	91	186		569	298
- OTHER	310 4015 & 4027[i]	2641	3042	3050	2639	3069		14441	11906
OTHER YARNS - NES, INCL. CHENILLE	310 6029 - 8000	121	112	118	46	23		420	1639
HANDWORK YARNS & SEWING THREAD	310 9000 - 9140	410	250	442	318	291		1711	1208
SLIVER, TOPS & ROVING	309 9000	589	756	607	639	381		2972	2280
TEXTILE GLASS FIBER	309 2800 & 2900[j]	2128	2900	2813	1725	2452		12018	8761
GRAND TOTAL ABOVE		**31862**	**34386**	**35642**	**30437**	**33263**		**165590**	**104873**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

TABLE 15: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1984						YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	1984	1983
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**17.8**	**16.9**	**19.8**	**17.8**	**20.3**	**18.0**	**110.6**	**111.0**
NYLON[e] - INDUSTRIAL[f]	28.1	29.9	32.8	33.4	32.4	32.5	189.1	145.3
- LOW DENIER INDUSTRIAL[g]	3.1	3.0	3.0	2.9	2.7	2.8	17.5	16.3
- CARPET	70.0	62.9	65.5	72.0	70.4	61.3	402.1	352.7
- TEXTILE	34.3	31.3	31.1	32.7	30.6	26.7	186.7	192.2
POLYESTER - INDUSTRIAL[f]	24.5	25.2	28.3	26.4	27.6	26.5	158.5	154.5
- LOW DENIER INDUSTRIAL[g]	1.9	2.1	2.1	2.2	2.0	2.2	12.5	12.7
- TEXTILE	84.9	69.9	67.1	75.3	70.7	65.4	433.3	518.8
OLEFIN[h]	52.6	56.9	64.1	58.3	62.5	64.4	358.8	352.9
TOTAL NONCELLULOSIC ABOVE[i]	**299.4**	**281.2**	**294.0**	**303.2**	**298.9**	**281.8**	**1758.5**	**1745.4**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**32.4**	**31.6**	**38.0**	**35.9**	**32.5**	**34.4**	**204.8**	**181.7**
NYLON[e]	80.0	65.9	70.8	82.3	74.1	57.3	430.4	446.5
ACRYLIC+MODACRYLIC	53.0	52.2	63.9	58.2	56.7	60.6	344.6	335.6
POLYESTER	172.5	177.5	197.0	200.8	190.2	171.3	1109.3	1080.5
OLEFIN+VINYON	18.6	18.5	20.4	20.2	19.9	21.5	119.1	86.4
TOTAL NONCELLULOSIC ABOVE	**324.1**	**314.1**	**352.1**	**361.5**	**340.9**	**310.7**	**2003.4**	**1949.0**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**14.3**	**14.6**	**13.2**	**13.6**	**11.8**	**13.1**	**13.1**	**12.2**
NYLON[e] - INDUSTRIAL[f]	23.2	23.7	23.1	22.1	21.3	22.4	22.4	25.4
- LOW DENIER INDUSTRIAL[g]	4.0	4.4	5.7	5.7	5.9	5.1	5.1	4.7
- CARPET	54.0	58.8	60.4	57.0	60.4	63.9	63.9	40.5
- TEXTILE	36.3	36.9	37.5	36.4	37.2	42.5	42.5	36.2
POLYESTER - INDUSTRIAL[f]	22.0	22.3	20.2	19.4	18.5	18.1	18.1	21.2
- LOW DENIER INDUSTRIAL[g]	3.4	3.5	3.8	3.5	3.8	4.6	4.6	2.3
- TEXTILE	77.2	82.8	86.4	84.1	85.1	86.7	86.7	73.8
OLEFIN[h]	58.1	59.3	60.9	61.5	60.1	61.5	61.5	55.4
TOTAL NONCELLULOSIC ABOVE[i]	**278.2**	**291.7**	**298.0**	**289.7**	**292.3**	**304.8**	**304.8**	**259.5**
STAPLE+TOW+FIBERFILL								
RAYON	**25.1**	**27.4**	**25.3**	**23.2**	**27.5**	**26.2**	**26.2**	**28.9**
NYLON[e]	70.2	76.0	79.3	71.7	72.8	82.2	82.2	44.7
ACRYLIC+MODACRYLIC	77.3	79.6	75.4	75.6	78.1	74.8	74.8	60.2
POLYESTER	180.2	188.6	188.7	177.4	178.0	199.9	199.9	158.6
OLEFIN+VINYON	20.4	21.2	19.8	20.1	20.7	20.0	20.0	14.5
TOTAL NONCELLULOSIC ABOVE	**348.1**	**365.4**	**363.2**	**344.8**	**349.6**	**376.9**	**376.9**	**278.0**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	13.3	15.2	15.0	14.4			57.9	47.4
CARPET CLASS WOOL	0.9	0.8	0.9	1.1			3.7	3.2
TOTAL RAW WOOL	14.2	16.0	15.9	15.5			61.6	50.6
RAW COTTON	246.1	242.7	249.9	226.8	232.5		1198.0	1168.0

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March/April issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March/April issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March/April issue.

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MONTHLY REVIEW

Highlights

June U.S. Imports of Man-Made Fiber Fall to 18.2 Million Pounds . . . see page 153.

Second Quarter Production of Polyester Yarn+ Monofilaments Fall to 297.5 Million Pounds . . . see page 150.

Second Quarter Production of Polyester Staple+Tow Rises to 573.5 Million Pounds . . . see page 151.

Textile Organon Feature:

Import Update . . . begins on page 144.

Nylon yarn shipments to the carpet trades fell to the lowest level since March 1983, but shipments of nylon staple+tow rose in July.

Shipments of polyester textile yarn fell to the lowest level since July 1982 and shipments of polyester staple+tow fell to the lowest level since July 1983.

Acrylic+modacrylic staple+tow shipments fell in July to the lowest level since February.

Shipments of olefin yarn+monofilaments fell to the lowest level since February and shipments of olefin+ vinyon staple+tow fell in July.

TABLE 1: TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT*

ITEM	1984			1983		YEAR TO DATE		
	JULY	JUNE	%[a]	JULY	%[b]	1984	1983	%[c]
YARN+MONOFILAMENTS								
ACETATE	**16.3**	**18.0**	*-9.4*	**18.5**	*-11.9*	**126.9**	**129.5**	*-2.0*
NYLON[d] - INDUSTRIAL	27.7	32.7	*-15.3*	23.4	*+18.4*	217.0	168.7	*+28.6*
- LOW DENIER INDUSTRIAL	2.7	2.8	*-3.6*	2.4	*+12.5*	20.2	18.7	*+8.0*
- CARPET	60.2	61.3	*-1.8*	61.2	*-1.6*	462.3	413.9	*+11.7*
- TEXTILE	25.3	26.9	*-5.9*	28.5	*-11.2*	212.2	220.7	*-3.8*
POLYESTER - INDUSTRIAL	26.0	26.7	*-2.6*	21.5	*+20.9*	184.7	176.0	*+4.9*
- LOW DENIER INDUSTRIAL	2.0	2.2	*-9.1*	1.7	*+17.6*	14.5	14.4	*+0.7*
- TEXTILE	61.4	65.4	*-6.1*	71.9	*-14.6*	494.7	590.7	*-16.2*
OLEFIN	57.9	63.8	*-9.2*	59.5	*-2.7*	415.5	412.4	*+0.7*
TOTAL NONCELLULOSIC ABOVE	**263.2**	**281.8**	*-6.6*	**270.1**	*-2.5*	**2021.1**	**2015.5**	*+0.3*
STAPLE+TOW+FIBERFILL								
RAYON	**29.8**	**34.4**	*-13.4*	**30.6**	*-2.6*	**234.6**	**212.3**	*+10.5*
NYLON[d]	59.4	57.3	*+3.7*	71.2	*-16.6*	489.8	517.7	*-5.4*
ACRYLIC+MODACRYLIC	52.9	60.6	*-12.7*	47.5	*+11.4*	397.5	383.1	*+3.7*
POLYESTER	156.8	171.3	*-8.5*	154.6	*+1.4*	1266.1	1235.1	*+2.5*
OLEFIN+VINYON	19.4	21.5	*-9.8*	13.8	*+40.6*	138.5	100.2	*+38.2*
TOTAL NONCELLULOSIC ABOVE	**288.5**	**310.7**	*-7.1*	**287.1**	*+0.5*	**2291.9**	**2236.1**	*+2.5*

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumlative total this year.

d. Nylon excludes Aramid.
Also see footnotes on last page of this issue.

Textile Organon

AUGUST, 1984

A MONTHLY REVIEW

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DATAGRAM

Imports Surge ...

Based on first quarter 1984 results, import penetration of the U.S. apparel market rose to 41%, up from 34½% in 1983. However, the import share leveled-off during the second quarter 1984, remaining at 41%.

Between first and second quarter, imports actually fell 5%, but the available supply also fell 5%.
Key points - -

- Cotton fabric shipments from U.S. mills seriously eroded in the second quarter, falling 13% from first quarter 1984.
- Man-made fiber domestic shipments fell only marginally.
- Woolen fabric from U.S. mills fell 22% in the second quarter.

... While shipments fall

Shipments of noncellulosic yarn + monofilaments and staple + tow slid again in July. Since April, these shipments have fallen 17%. Seasonality may in part explain the decline, but key markets lag behind year-ago levels.
Even worse - -

- Nylon yarn shipments have fallen to the lowest level of the year, as carpet yarn shipments continue to fall.
- Polyester yarn shipments continued to slide, as textile yarn shipments fell to the lowest level in two years.
- Polyester staple + tow shipments continued to fall, as the 1.5 - 2.5 denier market fell to one of the lowest levels in several years.

... And inventories rise

Partially as a result of pipeline adjustments, inventories of noncellulosic yarn + monofilaments and staple + tow rose again in July. Since January, these inventories have risen 15%.
When compared to July 1983 levels -

- Yarn + monofilament inventories are up 8½%.
- Staple + tow inventories are up 27%.

DuPont to curtail polyester yarn line

The DuPont Co. has announced it will curtail polyester yarn production at its Camden, SC plant.

Amoco intends to purchase olefin operation

Amoco Fibers & Fabrics Corp. has announced its intention to purchase the St. Jean, Quebec olefin yarn and staple plant from Celanese Canada Inc.

IMPORT UPDATE

Apparel Imports Continue to Rise

Editor's Note – This report (pages 144-149) represents the first effort on the part of the Textile Economics Bureau to monitor the apparel import situation on a quarterly basis. Previously, only annual or semi-annual data had been available. For this report, the first two quarters of 1984 are covered.

The data on pages 148-149 and graph 3 are meant to be used in conjunction with the February 1984 ***Organon Special Report*** **"Impact of Imports"**. To insure compatibility with that report, graph 3 is an update of the graph found on page 20 of the February 1984 issue. The annual data on pages 148-149 are updated versions of the data published in the February report.

It should be stressed, however, that the quarterly data provided in this report include some estimations. These estimations represent results obtained through extensive examination of primary market information and discussions with various market sources close to the import situation. The annual and quarterly data are subject to revision as new and more complete information becomes available.

As a new feature of the ***Textile Organon***, an analysis of the impact of imports will now appear quarterly. The Textile Economics Bureau will use only the most reliable industry sources in its analysis in order to present its results in the most objective manner possible.

For the first two quarters of 1984, imports claimed a 41% share of the U.S. apparel market. This is significant in light of the 34½% import share of the apparel market in 1983. Much of the rise in the percentage share can be explained by the declining domestic apparel production coupled with greatly increased imports, garments in particular.

In terms of the poundage and percentage share of apparel market, the 1984 second quarter results indicate a certain leveling off of imports even though the 1984 import share of the apparel market has risen dramatically over previous years. For the first quarter, imports totaled 614 million pounds or a 41% share of the market, while for the second quarter imports totaled 584 million pounds, also a 41% share of the market.

Cotton has taken the brunt of imports, as can be seen with graph 2. For the first half of 1984, clearly 52% of all apparel imports were primarily cotton. This compares to the man-made fiber and wool levels of 44% and 4%, respectively. The available supply of cotton apparel fell from the first quarter 621 million pounds to 550 million pounds in the second quarter, an 11½% decline. The import share of the cotton available supply rose from 52.7% to 53.6%. These percentage shares compare with 44.5% for 1983, and 40.8% for 1982.

On a poundage basis, cotton apparel imports have actually fallen. In the first quarter of 1984, these imports amounted to 327 million pounds and fell to 295 million pounds in the second quarter, or a 9.8% decline. Production of domestic apparel fabrics fell to a greater degree by some 13%, enabling imports to gain an increased share of the cotton apparel market in the second quarter.

The man-made fiber sector of the apparel market remained relatively stable. Available supply declined only slightly from the 822 million pound level of first quarter to 818 million pounds in the second quarter.

The imports into the man-made fiber apparel sector also remained relatively stable, declining slightly from 266 million pounds in the first quarter to 260 million pounds in the second quarter. The import share also declined from 32.4% in the first quarter to 31.8% in the second. However, the import share of 32.4% in the first quarter was much higher than the 26.8% in 1983 and the 24.7% in 1982. This occurred largely because of increased imports in relation to available supply and declining noncellulosic fiber domestic shipments into the apparel area. Following are noncellulosic fiber domestic shipments into the apparel market in 1983 and first and second quarters 1984:

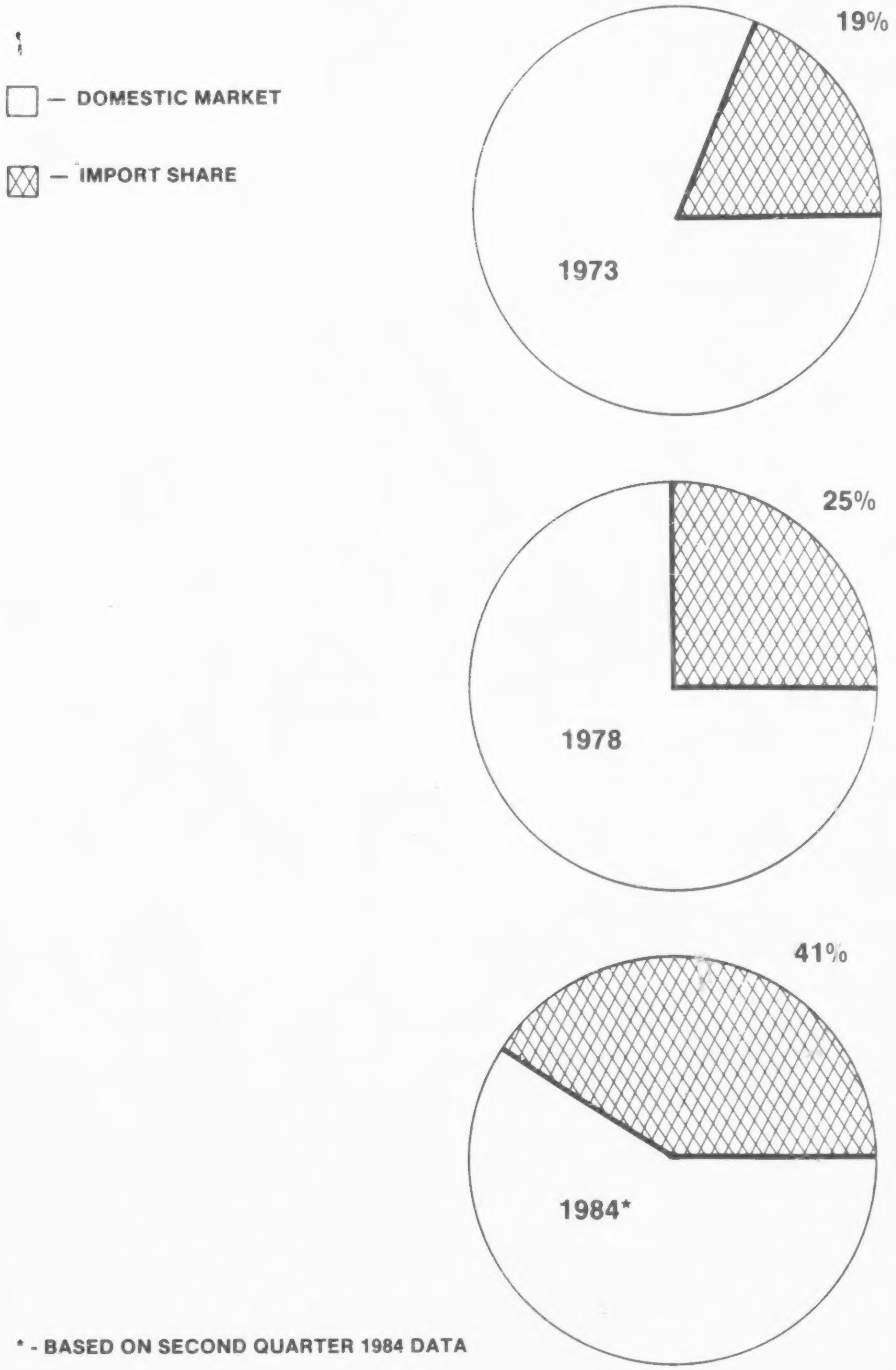
	1983				1984	
	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q
Million Pounds	689.8	643.1	588.5	591.2	546.3	533.1

Imports claimed a larger portion of the apparel wool sector because of declining domestic mill production and rising imports. However, in the first quarter 1984, domestic production of woolen apparel fabric was at a high level of 32 million pounds, but declined 22% to 25 million pounds in the second quarter.

Imports rose from 21 million pounds in the first quarter to 29 million pounds in the second quarter, an increase of 38%.

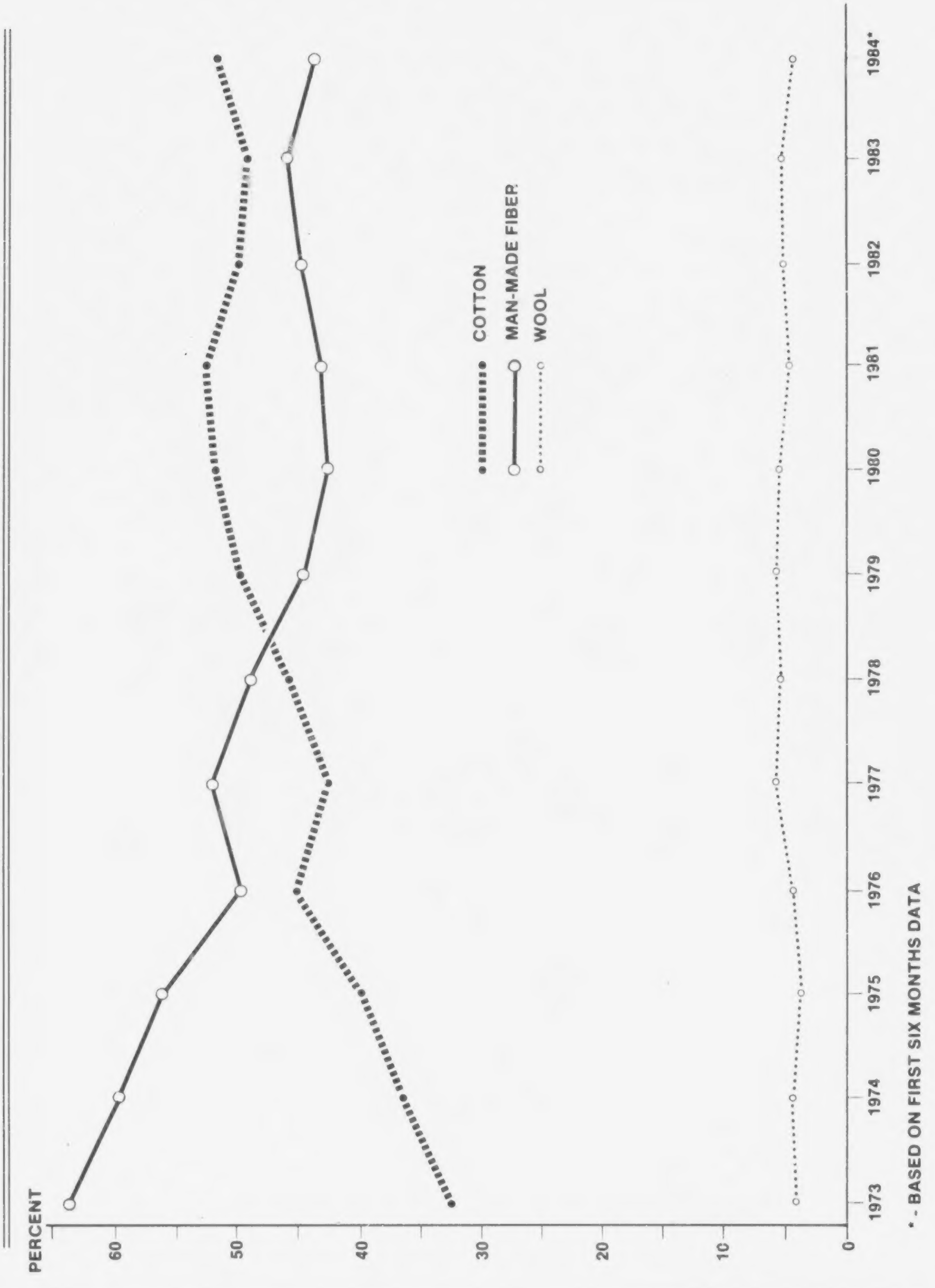
Because of the decline in domestic production by U.S. mills, imports increased market share from 40.4% in the first quarter to 54.7% in the second quarter.

GRAPH 1: IMPORTS AS A % SHARE OF THE U.S. APPAREL MARKET



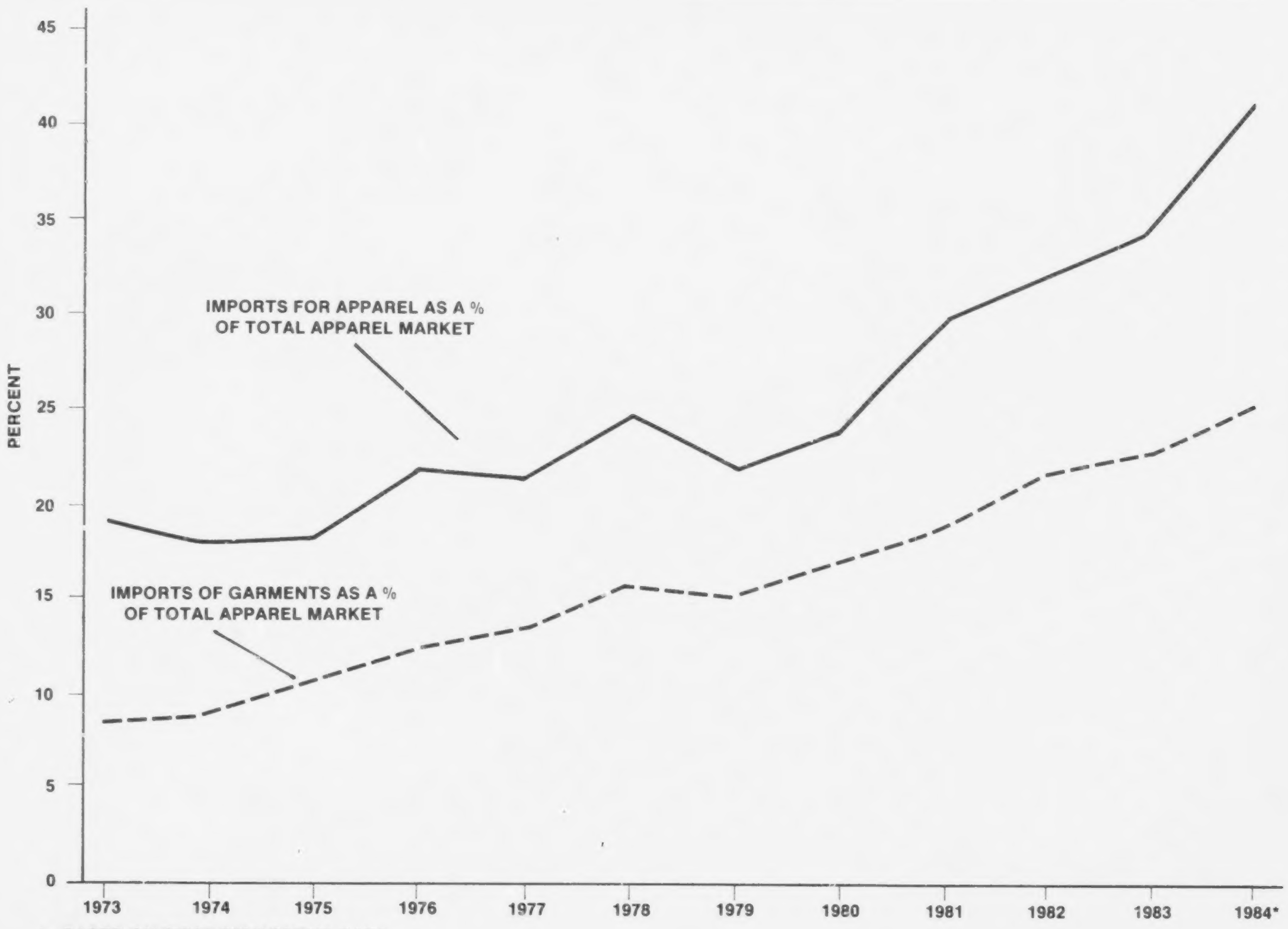
* - BASED ON SECOND QUARTER 1984 DATA

GRAPH 2: MAN-MADE FIBER, COTTON & WOOL IMPORTS FOR APPREL
AS A % SHARE OF TOTAL IMPORTS FOR APPAREL



* - BASED ON FIRST SIX MONTHS DATA

GRAPH 3: IMPORTS OF YARN FABRIC & GARMENTS FOR THE APPAREL MARKET AS A % SHARE OF THE TOTAL U.S. APPAREL MARKET



* - BASED ON FIRST SIX MONTHS DATA

ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1973			1974			1975			1976			1977		
	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.
COTTON															
IMPORTS OF YARN FOR APPAREL[a]	26	26		13	13		12	12		26	26		14	14	
+IMPORTS OF FABRIC FOR APPAREL[a,b]	159	159		147	147		136	136		225	225		155	155	
+FABRIC FROM U.S. MILLS	1572			1518			1415			1485			1566		
ORGANON END USE SURVEY-COTTON APPAREL[c]	1757	185		1678	160		1563	148		1736	251		1735	169	
+IMPORTS OF GARMENTS[a]	163	163		168	168		223	223		293	293		348	348	
-EXPORTS OF GARMENTS[a]	30			40			43			54			65		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**1890**	**348**	*18.4*	**1806**	**328**	*18.2*	**1743**	**371**	*21.3*	**1975**	**544**	*27.5*	**2018**	**517**	*25.6*
MAN-MADE FIBERS															
DOMESTIC SHIPMENTS FOR APPAREL[d]	3177			2840			2952			2929			3200		
+IMPORTS OF FIBER/YARN FOR APPAREL[e]	312	312		221	221		162	162		165	165		190	190	
+IMPORTS OF FABRIC FOR APPAREL[e,f]	90	90		64	64		68	68		76	76		79	79	
-EXPORTS OF SEMIMANUFACTURED PRODUCTS[e]	17	0			222			194			202			201	
ORGANON END USE SURVEY - MMF APPAREL[c]	3409	402		2903	285		2988	230		2968	241		3268	269	
+IMPORTS OF GARMENTS[e]	287	287		252	252		290	290		344	344		366	366	
-EXPORTS OF GARMENTS[e]	25			33			32			34			40		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**3671**	**689**	*18.8*	**3122**	**537**	*17.2*	**3246**	**520**	*16.0*	**3278**	**585**	*17.9*	**3594**	**635**	*17.7*
WOOL															
IMPORTS OF YARN FOR APPAREL[a]	5	5		6	6		5	5		6	6		7	7	
+IMPORTS OF FABRIC FOR APPAREL[a]	13	13		9	9		8	8		12	12		19	19	
+FABRIC FROM U.S. MILLS	108			76			92			109			106		
ORGANON END USE SURVEY-WOOL APPAREL[c]	126	18		91	15		105	13		127	18		132	26	
+IMPORTS OF GARMENTS[a]	27	27		24	24		23	23		33	33		44	44	
-EXPORTS OF GARMENTS[a]	2			3			2			2			2		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**151**	**45**	*29.8*	**112**	**39**	*34.8*	**126**	**36**	*28.6*	**158**	**51**	*32.3*	**174**	**70**	*40.2*
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	**5712**	**1082**	*18.9*	**5040**	**904**	*17.9*	**5115**	**927**	*18.1*	**5411**	**1180**	*21.8*	**5786**	**1222**	*21.1*

NOTE: All 1983 data are *estimated* based on the most current information available at press time, and are subject to revision.

a. See page 39 of the March/April 1984 ***Organon.***

b. Total cotton fabric imports less estimated poundages for nonapparel uses.

c. See page 140 of the September/October 1983 ***Organon*** as revised. First and second quarter data are estimated.

d. Domestic shipments of man-made fibers used in calculating the apparel end uses shown on page 140 of the September/October 1983 ***Organon.***

e. Grand Total man-made fiber imports from page 29 of the February 1984 ***Organon*** less estimated poundages for nonapparel uses.

f. Total man-made fiber fabric imports from page 39 of the March/April 1984 ***Organon*** less estimated poundages for nonapparel uses.

1978			1979			1980			1981			1982			ESTIMATED 1983			ESTIMATED 1984					
																		1ST QUARTER			2ND QUARTER		
TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.	TOTAL	TOTAL IMP.	% IMP. TOT.
31	31		12	12		19	19		24	24		29	29		39	39		19	19		15	15	
195	195		154	154		168	168		280	280		227	227		280	280		111	111		105	105	
1457			1530			1465			1281			1194			1266			313			273		
1683	226		1696	166		1652	187		1585	304		1450	256		1585	319		443	130		393	120	
430	430		426	426		464	464		504	504		511	511		638	638		197	197		175	175	
62			91			181			123			80			72			19			18		
2051	**656**	*32.0*	**2031**	**592**	*29.2*	**1935**	**651**	*33.6*	**1966**	**808**	*41.1*	**1881**	**767**	*40.8*	**2151**	**957**	*44.5*	**621**	**327**	*52.7*	**550**	**295**	*53.6*
3149			3137			3146			2833			2398			2691			619			623		
178	178		100	100		84	84		140	140		113	113		182	182		66	66		56	56	
99	99		73	73		73	73		90	90		90	90		121	121		32	32		36	36	
225			313			352			319			215			187			43			45		
3201	277		2997	173		2951	157		2744	230		2386	203		2807	303		674	98		670	92	
426	426		360	360		379	379		437	437		487	487		588	588		168	168		168	168	
49			61			127			121			75			71			20			20		
3578	**703**	*19.7*	**3296**	**533**	*16.2*	**3203**	**536**	*16.7*	**3060**	**667**	*21.8*	**2798**	**690**	*24.7*	**3324**	**891**	*26.8*	**822**	**266**	*32.4*	**818**	**260**	*31.8*
6	6		4	4		4	4		5	5		8	8		8	8		3	3		4	4	
26	26		22	22		21	21		28	28		26	26		32	32		8	8		12	12	
107			106			100			116			94			96			32			25		
139	32		132	26		125	25		149	33		128	34		136	40		43	11		41	16	
45	45		39	39		42	42		41	41		46	46		62	62		10	10		13	13	
2			3			5			4			3			3			1			1		
182	**77**	*42.3*	**168**	**65**	*38.7*	**162**	**67**	*41.4*	**186**	**74**	*39.8*	**171**	**80**	*46.8*	**195**	**102**	*52.3*	**52**	**21**	*40.4*	**53**	**29**	*54.7*
5811	**1436**	*24.7*	**5495**	**1190**	*21.7*	**5300**	**1254**	*23.7*	**5212**	**1549**	*29.7*	**4850**	**1537**	*31.7*	**5670**	**1950**	*34.4*	**1495**	**614**	*41.1*	**1421**	**584**	*41.1*

TABLE 3: QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
								YARN+MONOFILAMENTS[a]							
ACETATE															
PRODUCTION	**52.9**	**53.0**	**46.1**	**43.2**	**195.2**	**50.3**	**62.2**	**61.3**	**53.8**	**227.6**	**55.2**	**56.0**			
SHIPMENTS - DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1	53.9	51.0	48.6	197.6	48.7	51.9			
- EXPORT	8.8	6.2	8.5	6.3	29.8	7.1	5.9	8.4	6.8	28.2	5.8	4.2			
TOTAL SHIPMENTS	**53.7**	**53.3**	**48.0**	**43.8**	**198.8**	**51.2**	**59.8**	**59.4**	**55.4**	**225.8**	**54.5**	**56.1**			
ENDING STOCK	**13.5**	**13.2**	**11.3**	**10.7**		**9.8**	**12.2**	**14.1**	**12.5**		**13.2**	**13.1**			
NYLON[b]															
PRODUCTION	**299.9**	**309.0**	**312.1**	**320.6**	**1241.6**	**311.5**	**375.6**	**392.3**	**412.8**	**1492.2**	**400.9**	**407.9**			
SHIPMENTS - DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0	359.1	358.4	379.9	1392.4	365.1	370.7			
- EXPORT	26.8	23.8	26.0	25.5	102.1	25.4	27.0	27.3	25.5	105.2	29.9	30.1			
TOTAL SHIPMENTS	**308.4**	**320.3**	**318.7**	**320.3**	**1267.7**	**320.4**	**386.1**	**385.7**	**405.4**	**1497.6**	**395.0**	**400.8**			
ENDING STOCK	**143.8**	**132.5**	**125.9**	**126.2**		**117.3**	**106.8**	**113.4**	**120.8**		**126.7**	**133.8**			
OLEFIN[c]															
PRODUCTION	**154.3**	**146.9**	**142.6**	**141.4**	**585.2**	**166.8**	**186.9**	**183.4**	**179.0**	**716.1**	**178.0**	**184.5**			
SHIPMENTS - DOMESTIC	146.8	145.0	144.5	140.7	577.0	160.6	184.2	182.1	171.7	698.6	169.3	180.2			
- EXPORT	4.7	3.3	3.1	4.2	15.3	3.9	4.2	3.5	4.0	15.6	4.3	3.8			
TOTAL SHIPMENTS	**151.5**	**148.3**	**147.6**	**144.9**	**592.3**	**164.5**	**188.4**	**185.6**	**175.7**	**714.2**	**173.6**	**184.0**			
ENDING STOCK	**64.5**	**63.1**	**58.1**	**54.6**		**56.9**	**55.4**	**53.2**	**56.5**		**60.9**	**61.4**			
POLYESTER															
PRODUCTION	**331.5**	**318.1**	**280.5**	**283.5**	**1213.6**	**322.8**	**361.5**	**327.6**	**347.6**	**1359.5**	**318.8**	**297.5**			
SHIPMENTS - DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3	342.6	307.2	338.3	1294.4	291.9	286.1			
- EXPORT	34.9	35.8	19.2	12.9	102.8	19.6	17.5	13.9	15.5	66.5	14.1	12.4			
TOTAL SHIPMENTS	**332.1**	**328.3**	**286.2**	**291.0**	**1237.6**	**325.9**	**360.1**	**321.1**	**353.8**	**1360.9**	**306.0**	**298.5**			
ENDING STOCK	**122.4**	**112.2**	**106.5**	**99.0**		**95.9**	**97.3**	**103.8**	**97.6**		**110.4**	**109.4**			
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**785.7**	**774.0**	**735.2**	**745.5**	**3040.4**	**801.1**	**924.0**	**903.3**	**939.4**	**3567.8**	**897.7**	**889.9**			
SHIPMENTS - DOMESTIC	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	889.9	3385.4	826.3	837.0			
- EXPORT	66.4	62.9	48.3	42.6	220.2	48.9	48.7	44.7	45.0	187.3	48.3	46.3			
TOTAL SHIPMENTS	**792.0**	**796.9**	**752.5**	**756.2**	**3097.6**	**810.8**	**934.6**	**892.4**	**934.9**	**3572.7**	**874.6**	**883.3**			
ENDING STOCK	**330.7**	**307.8**	**290.5**	**279.8**		**270.1**	**259.5**	**270.4**	**274.9**		**298.0**	**304.6**			
DOMESTIC SHIPMENTS	725.6	734.0	704.2	713.6	2877.4	761.9	885.9	847.7	889.9	3385.4	826.3	837.0			
IMPORTS - TEXTURED YARN[d]	2.0	3.1	3.7	6.1	14.9	4.7	5.3	5.7	7.3	23.0	12.4	13.3			
- OTHER YARN[d]	2.8	2.6	4.1	3.9	13.4	6.6	7.5	7.7	11.4	33.2	12.9	13.2			
- MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4	0.4	0.4	0.5	1.7	1.0	0.7			
TOTAL IMPORTS	5.2	6.1	8.2	10.3	29.8	11.7	13.2	13.8	19.2	57.9	26.3	27.2			
TOTAL AVAILABLE	**730.8**	**740.1**	**712.4**	**723.9**	**2907.2**	**773.6**	**899.1**	**861.5**	**909.1**	**3443.3**	**852.6**	**864.2**			
								TEXTILE GLASS FIBER							
PRODUCTION	**207.6**	**209.8**	**241.0**	**240.8**	**899.2**	**245.1**	**273.1**	**313.2**	**335.8**	**1167.2**	**333.8**	**336.6**			
SHIPMENTS - DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6	294.4	301.9	303.2	1146.1	305.5	340.5			
- EXPORT	11.5	10.3	11.2	9.9	42.9	8.4	8.7	9.7	10.6	37.4	11.8	14.7			
TOTAL SHIPMENTS	**202.0**	**225.1**	**239.0**	**238.3**	**904.4**	**255.0**	**303.1**	**311.6**	**313.8**	**1183.5**	**317.3**	**355.2**			
ENDING STOCK	**151.8**	**136.5**	**138.5**	**141.0**		**131.1**	**101.1**	**102.7**	**124.7**		**141.2**	**122.6**			
IMPORTS	3.8	3.2	3.7	3.4	14.1	4.8	5.3	4.2	5.7	20.0	7.8	5.7			
TOTAL AVAILABLE	**194.3**	**218.0**	**231.5**	**231.8**	**875.6**	**251.4**	**299.7**	**306.1**	**308.9**	**1166.1**	**313.3**	**346.2**			

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means not available at press time.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 36 & 37 of the March 1983 issue for further details on these yarns.

b. Includes Aramid in 1982.

c. Also include film fiber as well as spunbonded polypropylene.

d. Include singles and plied.

e. Acetate staple+tow data are available annually only; see pages 36 & 37 of the March 1983 issue for further details.

f. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, 4342, 4345 & 4346.

TABLE 4: QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
								STAPLE+TOW[a]							
RAYON															
PRODUCTION	**96.2**	**86.7**	**87.8**	**84.3**	**355.0**	**92.6**	**92.1**	**92.1**	**98.0**	**374.8**	**104.0**	**103.7**			
SHIPMENTS - DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5	90.7	82.5			
- EXPORT	13.4	16.8	15.3	21.0	66.5	6.9	11.7	15.1	10.2	43.9	11.3	20.3			
TOTAL SHIPMENTS	**91.0**	**86.6**	**87.4**	**95.2**	**360.2**	**87.0**	**94.7**	**99.7**	**96.0**	**377.4**	**102.0**	**102.8**			
ENDING STOCK	**36.3**	**36.4**	**36.8**	**25.9**		**31.5**	**28.9**	**21.3**	**23.3**		**25.3**	**26.2**			
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1	83.0	84.6	85.8	333.5	90.7	82.5			
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1	3.9	3.3	3.5	12.8	4.4	3.2			
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2	0.2	0.2	0.3	0.9	0.4	0.3			
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3	4.1	3.5	3.8	13.7	4.8	3.5			
TOTAL AVAILABLE	**81.4**	**72.6**	**76.2**	**76.9**	**307.1**	**82.4**	**87.1**	**88.1**	**89.6**	**347.2**	**95.5**	**86.0**			
NYLON[b]															
PRODUCTION	**140.5**	**169.3**	**191.1**	**184.1**	**685.0**	**196.4**	**234.9**	**252.4**	**242.7**	**926.4**	**220.9**	**216.6**			
SHIPMENTS - DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0	243.5	236.2	221.4	897.1	211.1	210.6			
- EXPORT	4.1	4.2	3.1	5.2	16.6	3.3	3.7	3.0	4.1	14.1	5.6	3.1			
TOTAL SHIPMENTS	**146.0**	**175.0**	**188.9**	**180.0**	**689.9**	**199.3**	**247.2**	**239.2**	**225.5**	**911.2**	**216.7**	**213.7**			
ENDING STOCK	**59.3**	**53.6**	**55.8**	**59.9**		**57.0**	**44.7**	**57.9**	**75.1**		**79.3**	**82.2**			
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6	7.6	6.1	8.4	27.7	7.9	7.8			
TOTAL AVAILABLE	**142.9**	**171.5**	**190.8**	**179.6**	**684.8**	**201.6**	**251.1**	**242.3**	**229.8**	**924.8**	**219.0**	**218.4**			
ACRYLIC+MODACRYLIC															
PRODUCTION	**149.6**	**171.1**	**158.5**	**144.9**	**624.1**	**160.4**	**178.4**	**168.8**	**162.9**	**670.5**	**171.7**	**174.9**			
SHIPMENTS - DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1	129.3	127.9	114.9	492.2	120.6	124.2			
- EXPORT	46.4	41.5	42.7	43.7	174.3	41.3	44.9	35.3	41.0	162.5	48.5	51.3			
TOTAL SHIPMENTS	**154.5**	**169.4**	**156.3**	**152.0**	**632.2**	**161.4**	**174.2**	**163.2**	**155.9**	**654.7**	**169.[illegible]**	**175.5**			
ENDING STOCK	**60.2**	**61.9**	**64.[illegible]**	**57.0**		**56.0**	**60.2**	**65.8**	**72.8**		**75.4**	**74.8**			
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3	3.9	4.0	3.4	13.6	3.3	3.8			
TOTAL AVAILABLE	**110.1**	**129.2**	**115.3**	**111.2**	**465.8**	**122.4**	**133.2**	**131.9**	**118.3**	**505.8**	**123.9**	**128.0**			
OLEFIN+VINYON															
PRODUCTION	**35.8**	**30.8**	**37.6**	**34.0**	**138.2**	**37.9**	**42.9**	**49.9**	**58.9**	**189.6**	**57.3**	**61.8**			
SHIPMENTS - DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7	44.1	45.1	54.5	183.4	53.7	61.0			
- EXPORT	0.6	0.6	1.6	2.1	4.9	0.7	1.9	2.6	1.1	6.3	3.8	0.6			
TOTAL SHIPMENTS	**29.9**	**40.5**	**38.0**	**35.4**	**143.8**	**40.4**	**46.0**	**47.7**	**55.6**	**189.7**	**57.5**	**61.6**			
ENDING STOCK	**31.6**	**21.9**	**21.5**	**20.1**		**17.6**	**14.5**	**16.7**	**20.0**		**19.8**	**20.0**			
POLYESTER															
PRODUCTION	**538.7**	**459.6**	**447.4**	**509.5**	**1955.2**	**492.0**	**559.3**	**561.7**	**571.1**	**2184.1**	**561.6**	**573.5**			
SHIPMENTS - DOMESTIC	437.3	445.3	428.9	456.0	1767.5	487.6	540.4	538.1	533.1	2099.2	514.2	527.7			
- EXPORT	86.4	28.3	25.8	33.6	174.1	30.1	22.4	21.8	24.3	98.6	32.8	34.6			
TOTAL SHIPMENTS	**523.7**	**473.6**	**454.7**	**489.6**	**1941.6**	**517.7**	**562.8**	**559.9**	**557.4**	**2197.8**	**547.0**	**562.3**			
ENDING STOCK	**189.2**	**175.2**	**167.9**	**187.8**		**162.1**	**158.6**	**160.4**	**174.1**		**188.7**	**199.9**			
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8	2.1	4.1	12.5	21.5	7.8	5.5			
TOTAL AVAILABLE	**439.2**	**447.0**	**430.7**	**457.9**	**1774.8**	**490.4**	**542.5**	**542.2**	**545.6**	**2120.7**	**522.0**	**533.2**			
TOTAL NONCELLULOSIC															
PRODUCTION	**864.6**	**830.8**	**834.6**	**872.5**	**3402.5**	**886.7**	**1015.5**	**1032.8**	**1035.6**	**3970.6**	**1011.5**	**1026.8**			
SHIPMENTS - DOMESTIC	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	923.9	3671.9	889.6	923.5			
- EXPORT	137.5	74.6	73.2	84.6	369.9	75.4	72.9	62.7	70.5	281.5	90.7	89.6			
TOTAL SHIPMENTS	854.1	858.5	837.9	857.0	3407.5	918.8	1030.2	1010.0	994.4	3953.4	990.3	1013.1			
ENDING STOCK	340.3	312.6	309.3	324.8		292.7	278.0	300.8	342.0		363.2	376.9			
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	843.4	957.3	947.3	923.9	3671.9	899.6	923.5			
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[f]	4.9	3.7	8.5	9.6	26.7	10.7	13.6	14.2	24.3	62.8	19.0	17.1			
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7	2.5	1.5	3.6	10.3	4.6	4.2			
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4	8.1	6.1	8.9	28.5	11.0	9.5			
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8	24.2	21.8	36.8	101.6	34.6	30.8			
TOTAL AVAILABLE	**726.2**	**794.5**	**780.1**	**788.0**	**3088.8**	**862.2**	**981.5**	**969.1**	**960.7**	**3773.5**	**934.2**	**954.3**			

See footnotes on opposite page.

TABLE 5: SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1984						6 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	1984	1983
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	55	5	0	0	0	0	60	90
CANADA	42	12	327	45	366	250	1042	850
MEXICO	163	120	55	41	41	0	420	501
AUSTRIA	0	0	0	0	0	0	0	1252
GERMANY, FED. REP. OF	714	327	396	256	405	159	2257	615
NETHERLANDS	28	40	40	57	49	24	238	279
UNITED KINGDOM	0	0	+	0	0	0	+	150
JAPAN	74	86	62	23	104	+	349	152
REP. OF KOREA	60	0	40	0	80	0	180	40
ALL OTHER COUNTRIES[a]	0	1	43	27	27	12	110	80
TOTAL CELL. YARN	**1136**	**591**	**963**	**449**	**1072**	**445**	**4656**	**4009**
CELLULOSIC STAPLE+TOW								
CANADA	803	884	919	390	568	688	4252	2438
AUSTRIA	390	70	219	282	189	94	1244	860
FRANCE	16	18	7	2	0	38	81	75
SWEDEN	164	432	190	92	402	190	1470	1632
UNITED KINGDOM	225	81	42	60	136	38	582	221
JAPAN	116	47	162	134	121	98	678	1001
TAIWAN	0	0	0	0	0	0	0	96
ALL OTHER COUNTRIES[b]	0	+	0	+	1	0	1	55
TOTAL CELL. STAPLE	**1714**	**1532**	**1539**	**960**	**1417**	**1146**	**8308**	**6378**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	1284	1467	1745	2221	1742	1936	10395	4108
MEXICO	1317	1796	1574	1486	1101	1125	8399	1666
FRANCE	224	222	104	133	125	95	903	940
GERMANY, FED. REP. OF	846	1097	2010	1482	2459	1494	9388	3300
ITALY	199	569	390	407	642	559	2766	898
NETHERLANDS	54	95	26	17	5	114	311	150
SPAIN	95	225	2	0	1	+	323	721
SWITZERLAND	17	101	71	51	9	12	261	504
UNITED KINGDOM	531	89	366	204	289	128	1607	1560
ISRAEL	111	72	84	43	148	169	627	690
JAPAN	1131	1338	1660	1574	1640	813	8156	5111
REP. OF KOREA	42	55	37	24	13	13	184	256
TAIWAN	122	+	60	36	109	56	383	149
SOUTH AFRICA	347	563	112	450	695	85	2252	0
ALL OTHER COUNTRIES[c]	231	233	75	108	234	133	1014	195
TOTAL N.C. YARN	**6551**	**7922**	**8316**	**8236**	**9212**	**6732**	**46969**	**20248**
NONCELLULOSIC STAPLE+TOW								
CANADA	1028	1102	1219	943	1727	1186	7205	3464
COSTA RICA	155	354	237	249	114	82	1191	133
MEXICO	2812	2217	1451	1342	1629	1179	10630	4208
BELGIUM	32	61	38	41	40	69	281	152
FRANCE	483	507	834	512	149	121	2606	4380
GERMANY, FED. REP. OF	1965	1587	2599	2064	2635	2371	13221	8995
ITALY	1182	791	1234	1519	983	749	6458	6043
NETHERLANDS	88	140	76	63	1	0	368	260
SWITZERLAND	22	+	113	58	57	2	252	66
UNITED KINGDOM	1306	1060	1711	1113	1512	885	7587	7100
AUSTRALIA	0	24	0	0	0	0	24	91
ISRAEL	45	28	0	30	30	0	133	112
JAPAN	1334	926	1361	1092	1430	574	6717	5764
REP. OF KOREA	0	40	62	120	40	0	262	175
TAIWAN	826	471	1576	1265	941	539	5618	1896
ROMANIA	138	98	299	488	56	0	1079	32
SOUTH AFRICA	0	213	0	82	0	0	295	38
ALL OTHER COUNTRIES[d]	394	88	278	191	53	2	1006	132
TOTAL N.C. STAPLE	**11810**	**9707**	**13088**	**11172**	**11397**	**7759**	**64933**	**43041**

+ Means a nominal poundage.

Other countries supplying 1984 poundages are:

[a] Australia 3, Belgium 36, France 49, Italy 1 and Switzerland 21.

[b] Brazil +, Federal Republic of Germany + and Mexico 1.

[c] Australia 83, Austria 166, Belgium 63, Brazil 177, Costa Rica 45, Denmark 32, Finland 1, India 1, Ireland 35, Morocco 1, Norway 27, People's Republic of China +, Portugal 1, Romania 279 and Sweden 103.

[d] Austria 30, Brazil 416, Denmark 62, Finland 37, Honduras 75, Hong Kong 2, Ireland 23, Poland 13, Portugal 41, Spain 25, Sweden 71 and Turkey 211.

TABLE 6: U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1984						6 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1984	1983
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	0	0	38	79	184	9	310	256
OTHER	310.0130 & .0230[a]	1136	585	880	359	878	420	4258	3620
MONOFILAMENTS	309.0310 & .0610	0	0	0	2	0	3	5	+
STRIPS, $1/LB & UNDER	309.2000*	0	6	45	9	10	13	83	133
SUBTOTAL ABOVE		**1136**	**591**	**963**	**449**	**1072**	**445**	**4656**	**4009**
STAPLE	309.4320 & .4325	1517	1483	1365	900	1209	1108	7582	5996
GROUPED FILAMENTS	309.3010 & .3110	197	49	174	60	208	38	726	382
SUBTOTAL ABOVE		**1714**	**1532**	**1539**	**960**	**1417**	**1146**	**8308**	**6378**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	**40**	**69**	**6**	**41**	**38**	**38**	**232**	**177**
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	1064	1571	1615	2435	2016	1468	10169	2105
- POLYESTER	310.0110 & .0210	821	1167	834	867	1172	837	5698	392
- OTHER	310.0114 & .0214	651	604	649	613	837	746	4100	3942
OTHER - NYLON	310.0149 & .0249	2022	2221	2918	2099	2928	1974	14162	5719
- POLYESTER	310.0150 & .0250	1328	1658	1618	1504	1707	1287	9102	5567
- OTHER	310.0170 & .0270[b]	202	274	310	281	247	166	1480	1501
MONOFILAMENTS	309.0200 & .0330[c]	383	325	282	336	243	132	1701	767
STRIPS, OVER $1/LB	309.2100 & .2500*	80	102	90	101	62	122	557	255
SUBTOTAL ABOVE		**6551**	**7922**	**8316**	**8236**	**9212**	**6732**	**46969**	**20248**
STAPLE - NYLON	309.4338	2921	2034	2936	3665	2450	1698	15704	13207
- POLYESTER	309.4342	3115	2489	2224	1816	2156	1504	13304	4960
- ACRYLIC	309.4345	1081	1257	913	1297	1652	871	7071	6248
- OLEFIN	309.4346	325	76	474	173	184	55	1287	619
- OTHER	309.4355	1109	969	1627	1551	1219	998	7473	4545
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	2271	1604	2787	1509	2033	1495	11699	9795
POLYESTER	309.3040 & .3140	227	593	1026	611	793	641	3891	346
ACRYLIC	309.3050 & .3150	646	538	978	355	762	312	3591	2899
OTHER	309.3065 & .3165	115	147	123	195	148	185	913	422
SUBTOTAL ABOVE		**11810**	**9707**	**13088**	**11172**	**11397**	**7759**	**64933**	**43041**
WASTE, NOT ADVANCED									
- NYLON	309.6625	2390	4767	2062	1623	1585	1218	13645	10835
- POLYESTER	309.6630	634	810	621	775	458	341	3639	5162
- ACRYLIC	309.6645	37	1	0	0	0	0	38	229
- OTHER	309.6660	139	213	452	265	308	214	1591	1852
NOILS & GARNETTED FIBERS	309.6000 & .7000*	56	62	12	0	15	74	219	98
OTHER WASTE, ADVANCED	309.7525 - .7555	105	300	179	299	218	228	1329	1564
SUBTOTAL ABOVE		**3361**	**6153**	**3326**	**2962**	**2584**	**2075**	**20461**	**19740**
TOTAL MAN-MADE ABOVE		**24612**	**25974**	**27238**	**23820**	**25720**	**18195**	**145559**	**93593**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	+	0	0	0	0	+	+
- NONCELLULOSIC	310.1015[d] & .1109[e]	1109	1204	1068	968	610	791	5750	3587
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	12	8	8	14	18	62	51
- NONCELLULOSIC	310.1050 & .1070[g]	146	84	162	183	517	305	1397	1294
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	104	52	136	91	186	227	796	461
- OTHER	310.4015 & .4027[i]	2641	3042	3050	2639	3069	3077	17518	14794
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	121	112	118	46	23	241	661	2197
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	410	250	442	318	291	203	1914	1534
SLIVER, TOPS & ROVING	309.9000	589	756	607	639	381	74	3046	2814
TEXTILE GLASS FIBER	309.2800 & .2900[j]	2128	2900	2813	1725	2452	1499	13517	10025
GRAND TOTAL ABOVE		**31862**	**34386**	**35642**	**30437**	**33263**	**24630**	**190220**	**130350**

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 7: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1984	1983
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**17.8**	**16.9**	**19.8**	**17.8**	**20.3**	**18.0**	**16.3**						**126.9**	**129.5**
NYLON[e] - INDUSTRIAL[f]	28.1	29.9	32.8	33.4	32.4	32.7	27.7						217.0	168.7
- LOW DENIER INDUSTRIAL[g]	3.1	3.0	3.0	2.9	2.7	2.8	2.7						20.2	18.7
- CARPET	70.0	62.9	65.5	72.0	70.4	61.3	60.2						462.3	413.9
- TEXTILE	34.3	31.3	31.1	32.7	30.6	26.9	25.3						212.2	220.7
POLYESTER - INDUSTRIAL[f]	24.5	25.2	28.3	26.4	27.6	26.7	26.0						184.7	176.0
- LOW DENIER INDUSTRIAL[g]	1.9	2.1	2.1	2.2	2.0	2.2	2.0						14.5	14.4
- TEXTILE	84.9	69.9	67.1	75.3	70.7	65.4	61.4						494.7	590.7
OLEFIN[h]	52.6	56.9	64.1	58.3	61.9	63.8	57.9						415.5	412.4
TOTAL NONCELLULOSIC ABOVE[i]	**299.4**	**281.2**	**294.0**	**303.2**	**298.3**	**281.8**	**263.2**						**2021.1**	**2015.5**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**32.4**	**31.6**	**38.0**	**35.9**	**32.5**	**34.4**	**29.8**						**234.6**	**212.3**
NYLON[e]	80.0	65.9	70.8	82.3	74.1	57.3	59.4						489.8	517.7
ACRYLIC+MODACRYLIC	53.0	52.2	63.9	58.2	56.7	60.6	52.9						397.5	383.1
POLYESTER	172.5	177.5	197.0	200.8	190.2	171.3	156.8						1266.1	1235.1
OLEFIN+VINYON	18.6	18.5	20.4	20.2	19.9	21.5	19.4						138.5	100.2
TOTAL NONCELLULOSIC ABOVE	**324.1**	**314.1**	**352.1**	**361.5**	**340.9**	**310.7**	**288.5**						**2291.9**	**2236.1**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**14.3**	**14.6**	**13.2**	**13.6**	**11.8**	**13.1**	**15.7**						**15.7**	**13.6**
NYLON[e] - INDUSTRIAL[f]	23.2	23.7	23.1	22.1	21.3	22.4	25.1						25.1	28.4
- LOW DENIER INDUSTRIAL[g]	4.0	4.4	5.7	5.7	5.9	5.1	5.3						5.3	4.9
- CARPET	54.0	58.8	60.4	55.9	60.4	63.9	66.4						66.4	47.7
- TEXTILE	36.3	36.9	37.5	36.4	37.2	42.4	43.8						43.8	38.2
POLYESTER - INDUSTRIAL[f]	22.0	22.3	20.2	19.4	18.5	18.1	20.1						20.1	23.1
- LOW DENIER INDUSTRIAL[g]	3.4	3.5	3.8	3.5	3.8	4.6	4.6						4.6	2.6
- TEXTILE	77.2	82.8	86.4	84.1	85.1	86.7	88.6						88.6	89.6
OLEFIN[h]	58.1	59.3	60.9	61.5	60.1	61.4	60.2						60.2	55.0
TOTAL NONCELLULOSIC ABOVE[i]	**278.2**	**291.7**	**298.0**	**288.6**	**292.3**	**304.6**	**314.1**						**314.1**	**289.5**
STAPLE+TOW+FIBERFILL														
RAYON	**25.1**	**27.4**	**25.3**	**23.2**	**27.5**	**26.2**	**28.1**						**28.1**	**27.3**
NYLON[e]	70.2	76.0	79.3	71.7	72.8	82.2	87.0						87.0	54.1
ACRYLIC+MODACRYLIC	77.3	79.6	75.4	75.6	78.1	74.8	75.3						75.3	67.9
POLYESTER	180.2	188.6	188.7	177.4	178.0	199.9	223.7						223.7	185.1
OLEFIN+VINYON	20.4	21.2	19.8	20.1	20.7	20.0	21.7						21.7	14.2
TOTAL NONCELLULOSIC ABOVE	**348.1**	**365.4**	**363.2**	**344.8**	**349.6**	**376.9**	**407.7**						**407.7**	**321.3**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.3	15.2	15.0	14.4									57.9	47.4
CARPET CLASS WOOL	0.9	0.8	0.9	1.1									3.7	3.2
TOTAL RAW WOOL	14.2	16.0	15.9	15.5									61.6	50.6
RAW COTTON	246.1	242.7	249.9	226.8	233.0	229.6							1428.1	1409.6

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March/April issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March/April issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March/April issue.

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* * *

The **TEXTILE ECONOMICS BUREAU, INC. (TEB)** is proud to announce with **SAGE DATA, INC.**, Princeton, NJ, the completion of its **MAN-MADE FIBER PRODUCER'S HANDBOOK** computerized database. This database offers the latest in computerized time sharing, and covers the U.S. man-made fiber industry monthly, quarterly and annually for production, shipments, inventories, capacities and end uses. All major man-made fibers are covered: rayon, acetate, acrylic, nylon, polyester, olefin and glass fibers.

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Textile Organon

Vol 55, No. 8 □ September 1984

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Textile Fiber End Use Survey

Highlights

Annual U.S. End Use Summary . . . Featured Page 159.

Summary of Man-Made Fiber & Semimanufactured Imports 1977-1983 . . . see page 161.

U.S. Imports of Man-Made Fiber Rise to 39.4 Million Pounds in July . . . see page 175.

Second Quarter 1984 Domestic Shipments of Nylon Yarn to the Carpet Trades Rise Top 197 million Pounds . . . see page 172.

Presented in this issue of the *Textile Organon* is the 1984 survey of textile fiber consumption by end use. Annual data are shown for the years 1977 through 1983.

The data of this end use survey supersede those of earlier surveys. As more reliable data become available, they are incorporated to provide the most current industry data obtainable.

Compared with last year's survey, there are relatively few revisions. However, it should be noted that there has been some revision of the Top & Bottomweight Fabric, Bedspread & Quilts (Item 45) and Carpets and Rugs (Item 50) end uses.

In addition, there have been significant revisions of the textile glass component of the Electrical & Reinforced Plastics (Items 66 & 77) and Miscellaneous Industrial & Other Consumer Type Products end uses.

In some cases, these revisions involved changes in the series of data from 1977 through 1982. Revisions such as these are indicated by a black circle (●). In addition, significant single year revisions are denoted by a small "r".

When the changes described above are kept in mind, the data in this survey may be used in conjunction with earlier issues of the *Textile Organon* as follows:

Years	*Textile Organon* Issues
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982
1976	November 1983

In this manner, a continuous statistical series covering the 35-year span from 1949 through 1983 may be obtained.

Continued on page 158

TABLE 1: END USE SUMMARY CHANGES

END USE	TOTAL FIBER								MAN-MADE FIBER							
	MILLION POUNDS				*% OF TOTAL END USE*[a]				MILLION POUNDS				*% OF TOTAL END USE*[a]			
	77-80	1981	1982	1983	*77-80*	*1981*	*1982*	*1983*	77-80	1981	1982	1983	*77-80*	*1981*	*1982*	*1983*
APPAREL	4928	4495	4031	4649	*39.0*	*37.9*	*38.4*	*37.3*	3104	2752	2393	2754	*33.8*	*31.4*	*31.3*	*29.7*
HOME FURNISHINGS	3896	3522	3145	3914	*30.9*	*29.7*	*30.0*	*31.4*	3012	2749	2442	3106	*32.8*	*31.4*	*31.9*	*33.5*
INDUSTRIAL & OTHER CONSUMER-TYPE PROD	3271	3348	2972	3618	*25.9*	*28.2*	*28.3*	*29.0*	2793	2932	2593	3227	*30.4*	*33.5*	*33.9*	*34.8*
EXPORTS	526	490	336	280	*4.2*	*4.2*	*3.3*	*2.3*	271	319	215	184	*3.0*	*3.7*	*2.9*	*2.0*
TOTAL END USE	**12621**	**11855**	**10484**	**12461**	***100***	***100***	***100***	***100***	**9180**	**8752**	**7643**	**9271**	***100***	***100***	***100***	***100***

77-80 means the annual average for the years 1977-1980. The 1981, 1982 & 1983 data are for single years only. All data are drawn from the End Use Consumption Summary table on page 159.

a. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

Textile Organon

SEPTEMBER, 1984

A MONTHLY REVIEW

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Shipments rebound sharply

Shipments of noncellulosic yarn, staple and tow rose dramatically in August, reversing a three-month slide. Seasonality contributed greatly to the mid-year slump in shipments, yet certain key markets — such as apparel and carpets — hit saturation levels as inventories began to build.

Key products on the upswing —

- Polyester staple+tow. Shipments rose sharply in August, as the 1.5 - 2.5 denier market rose 13%.
- Polyester textile yarn. The 150 denier market rose 21½%. Textured yarn shipments rose 17%.
- Nylon carpet yarn. Shipments rose 11½%. Inventories fell 8%.
- Nylon staple+tow. August shipments were strong, as carpet staple shipments jumped nearly 20%.

Imports of fiber on the rise

Imports of man-made fiber totaled 39.4 million pounds in July, and was the highest monthly import level since May 1973.

For the first seven months of 1984, imports of man-made fiber totaled 185.0 million pounds. This compares to the 1983 January-July level of 110.7 million pounds.

What's driving the fiber import levels higher? Primarily imports of nylon.

More specifically —

- Nylon staple imports rose to 7.7 million pounds in July, up 353% from June. For the first seven months of 1984, these imports are running 54% ahead of the same period last year.
- Nylon yarn imports are running far ahead of last year's levels. For the first seven months, nylon textured yarn imports are 387% ahead of the corresponding 1983 level, and nylon flat yarn imports are 159% above last year's level.
- Nylon waste shipments totaled 21.0 million pounds for the first seven months, 59% above the corresponding 1983 level.

Continued from page 155

SURVEY FIBER COVERAGE

The objective of this survey is to measure the amount of raw fiber required to produce a particular end use item. The quantities of fiber are grouped under general listings, but specific characteristics of each listing should be noted.

The man made fiber data are presented in two general categories, **Cellulosic**, which includes rayon and acetate, and **Noncellulosic**, which includes nylon, polyester, acrylic, olefin, saran, spandex and textile glass. Except for carpets, no separation of the data by generic type within the end uses is provided. See footnote **(b)** under General Notes on page 169 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters poundages are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation.

Wool data cover both virgin and reprocessed & reused wool.

Many other fibers, such as silk, linen, jute and sisal, are used in various products covered by the survey, but no poundage data for these fibers are included in the end use tables on pages 162-168.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing, are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the poundages shown have been calculated so as to exclude the waste component inasmuch as possible, as, for example, is the case with the cotton waste in Towels & Toweling (Item 48) and Twine (Item 73).

And third, waste which has been processed into usable spinnable fiber is included in the poundages shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that in products such as these, fiber derived from waste by preliminary processing, especially for the man-made fiber poundages, is a significant and measured part of the total end use.

OUTLINE AND COVERAGE OF THE SURVEY

The data presented on pages 162-168 show the poundages of the itemized textile fibers consumed in the production of end use products in the United States.

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs, are not included in this survey as they are not manufactured in domestic mills.

The method used for estimating the end uses of man-made fibers differs from that used for the natural fibers. For man-made fibers, the data are based on producers' domestic shipments plus imports of fiber, yarn and semimanufactured products. While in the case of cotton, the data of the National Cotton Council were used extensively, and for wool, government data plus estimates from other trade sources were employed.

END USE VERSUS AVAILABLE SUPPLY

Available supply (mill consumption plus semi-manufactured imports) is compared with end use consumption table 4 on page 160. While more specific reasons which affect the correlation between these series are described in subsequent sections, some general remarks are presented below.

Cotton. End use consumption is lower than available supply for most years; the same situation pertains to the National Cotton Council's survey data. Two reasons for this are stated by the Council: a) many small end uses are not included in the survey and b) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in the calendar year 1982 was not actually incorporated into end products until 1983 because of time lags and inventory fluctuations involved in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in 1983 was not embodied in finished products until 1984.

As noted, the cotton series presented in this survey are mainly those of the National Cotton Council as published in its annual survey "Cotton Counts Its Customers" (1984 and earlier editions).

Wool. Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Retail Piece Goods and Craft Yarns.

These poundages were deducted from the Available Supply in Table 3, page 160, and residual poundages were then attributed to Apparel Usage in individual apparel items from the years 1977-1983 was calculated by correlating the data of Census reports MA-23A and MQ-22T on, respectively, Apparel and Broad Woven Goods.

Man-Made Fibers. As will be seen, there is relatively good correlation between End Use Consumption and Available Supply.

TABLE 2: U.S. END USE SUMMARY

MILLION POUNDS & PERCENT

END USE & YEAR													MAN-MADE FIBER DETAIL									
													CELLULOSIC					NONCELL. & TEXTILE GLASS				
	GRAND TOTAL			COTTON			WOOL			MAN-MADE FIBERS			TOTAL			YARN LBS	STAPLE LBS	TOTAL			YARN LBS	STAPLE LBS
	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]			LBS	%[a]	%[b]		
APPAREL																						
1977	5135	100	40.9	1735	33.8	51.2	132	2.6	75.0	3268	63.6	36.4	304	5.9	34.4	219	85	2964	57.7	36.6	1456	1508
1978	5023	100	39.2	1683	33.5	52.0	139	2.8	73.9	3201	63.7	34.2	307	6.1	34.5	228	79	2894	57.6	34.1	1444	1450
1979	4825	100	37.0	1696	35.2	51.3	132	2.7	76.3	2997	62.1	31.4	341	7.1	40.7	245	96	2656	55.0	30.5	1359	1297
1980	4728	100	39.0	1652	35.0	53.0	125	2.6	74.0	2951	62.4	33.5	298	6.3	39.9	222	76	2653	56.1	32.9	1306	1347
1981	4495	100	37.9	1595	35.5	54.8	148	3.3	76.3	2752	61.2	31.4	309	6.9	42.7	194	115	2443	54.3	30.4	1191	1252
1982	4031	100	38.4	1511	37.5	56.5	127	3.1	75.1	2393	59.4	31.3	211	5.3	39.9	142	69	2182	54.1	30.7	986	1196
1983	4649	100	37.3	1742	37.5	58.3	153	3.3	75.0	2754	59.2	29.7	229	4.9	39.7	154	75	2525	54.3	29.0	1210	1315
HOME FURNISHINGS																						
1977	3842	100	30.6	905	23.6	26.7	32	0.8	18.2	2905	75.6	32.3	212	5.5	24.0	54	158	2693	70.1	33.2	1072	1621
1978	3996	100	31.2	863	21.6	26.6	36	0.9	19.2	3097	77.5	33.0	238	6.0	26.8	56	182	2859	71.5	33.7	1160	1699
1979	4092	100	31.4	848	20.7	25.6	27	0.7	15.6	3217	78.6	33.7	194	4.7	23.1	48	146	3023	73.9	34.7	1244	1779
1980	3656	100	30.2	802	22.0	25.8	26	0.7	15.4	2828	77.3	32.1	170	4.6	22.7	47	123	2658	72.7	32.9	1189	1469
1981	3522	100	29.7	744	21.1	25.6	29	0.9	14.9	2749	78.0	31.4	156	4.4	21.5	36	120	2593	73.6	32.3	1117	1476
1982	3145	100	30.0	677	21.5	25.3	26	0.9	15.4	2442	77.6	31.9	104	3.3	19.6	26	78	2338	74.3	32.9	1013	1325
1983	3914	100	31.4	776	19.8	26.0	32	0.8	15.7	3106	79.4	33.5	134	3.5	23.3	28	106	2972	75.9	34.2	1319	1653
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1977	3155	100	25.2	528	16.7	15.6	8	0.3	4.5	2619	83.0	29.2	316	10.0	35.8	62	254	2303	73.0	28.4	1753	550
1978	3334	100	26.1	472	14.1	14.6	9	0.3	4.8	2853	85.6	30.4	301	9.0	33.9	66	235	2552	76.6	30.1	1915	637
1979	3486	100	26.8	462	13.3	14.0	8	0.2	4.6	3016	86.5	31.6	271	7.8	32.3	50	221	2745	78.7	31.6	2020	725
1980	3109	100	25.7	412	13.2	13.2	11	0.3	6.5	2686	86.5	30.4	249	8.0	33.3	40	209	2437	78.5	30.2	1805	632
1981	3348	100	28.2	404	12.1	13.9	12	0.3	6.2	2932	87.6	33.5	231	6.9	31.9	42	189	2701	80.7	33.6	2027	674
1982	2972	100	28.3	369	12.4	13.8	10	0.4	5.9	2593	87.5	33.9	195	6.5	36.9	30	165	2398	80.7	33.7	1759	639
1983	3618	100	29.0	377	10.4	12.6	14	0.4	6.9	3227	89.2	34.8	196	5.4	34.0	23	173	3031	83.8	34.9	2178	853
EXPORTS OF DOMESTIC PRODUCTS																						
1977	418	100	3.3	221	52.9	6.5	4	0.9	2.3	193	46.2	2.1	51	12.2	5.8	23	28	142	34.0	1.8	61	81
1978	449	100	3.5	220	49.0	6.8	4	0.9	2.1	225	50.1	2.4	43	9.6	4.8	22	21	182	40.5	2.1	76	106
1979	620	100	4.8	301	48.5	9.1	6	1.0	3.5	313	50.5	3.3	33	5.3	3.9	21	12	280	45.2	3.2	128	152
1980	618	100	5.1	259	42.0	8.0	7	1.0	4.1	352	57.0	4.0	31	5.1	4.1	20	11	321	51.9	4.0	141	180
1981	490	100	4.2	166	33.9	5.7	5	1.0	2.6	319	65.1	3.7	28	5.7	3.9	17	11	291	59.4	3.7	121	170
1982	336	100	3.3	115	34.2	4.4	6	1.8	3.6	215	64.0	2.9	19	5.7	3.6	12	7	196	58.3	2.7	82	114
1983	280	100	2.3	91	32.5	3.1	5	1.8	2.4	184	65.7	2.0	17	6.1	3.0	11	6	167	59.6	1.9	70	97
TOTAL END USE																						
1977	12550	100	100	3389	27.0	100	176	1.4	100	8985	71.6	100	883	7.0	100	358	525	8102	64.6	100	4342	3760
1978	12802	100	100	3238	25.3	100	188	1.5	100	9376	73.2	100	889	6.9	100	372	517	8487	66.3	100	4595	3892
1979	13023	100	100	3307	25.4	100	173	1.3	100	9543	73.3	100	839	6.5	100	364	475	8704	66.8	100	4751	3953
1980	12111	100	100	3125	25.8	100	169	1.4	100	8817	72.8	100	748	6.2	100	329	419	8069	66.6	100	4441	3628
1981	11855	100	100	2909	24.5	100	194	1.7	100	8752	73.8	100	724	6.1	100	289	435	8028	67.7	100	4456	3572
1982	10484	100	100	2672	25.5	100	169	1.6	100	7643	72.9	100	529	5.1	100	210	319	7114	67.8	100	3840	3274
1983	12461	100	100	2986	24.0	100	204	1.6	100	9271	74.4	100	576	4.6	100	216	360	8695	69.8	100	4777	3918

[a] The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

[b] The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufacturers' inventories rather than directly into end uses. Both warehouse inventories of yarn and staple and goods-in-process inventories would be involved. For example, it is likely that some of the large increase in the Available Supply between 1977 and 1978 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1979-1980 and 1981-1982, for instance) the movement is reversed. In a period of slower activity, mills and manufacturers reduce their warehouse inventories and work-in-process to reflect the lower level of activity.

Continued on page 161

TABLE 3: MILL CONSUMPTION+SEMIMANUFACTURED IMPORTS

MILLION POUNDS

	MAN-MADE FIBERS								COTTON			WOOL					AVAIL-ABLE SUPPLY
	MILL CONSUMPTION[a]																
	CELLULOSIC			NONCELL.+GLASS FIBER													
YEAR	YARN	STAPLE[b]	TOTAL	YARN	STAPLE[b]	TOTAL	IM-PORTS[c]	TOTAL	MILL CONS[a]	IM-PORTS[c]	TOTAL	MILL CONS[a]	Repro-cessed & Reused[d]	COTTON SYSTEM[d]	IM-PORTS[c]	TOTAL	
1977	351.0	517.2	868.2	4345.2	3674.1	8019.3	127.6	9015.1	3169.8	258.1	3427.9	133.9	16.7	4.1	25.3	180.0	12623.0
1978	363.3	516.4	879.7	4580.8	3767.2	8348.0	169.3	9397.0	3040.4	330.7	3371.1	141.6	16.8	3.0	31.9	193.3	12961.4
1979	356.7	474.3	831.0	4740.2	3874.8	8615.0	119.1	9565.1	3066.4	249.1	3315.5	134.4	17.0	2.5	25.9	179.8	13060.4
1980	325.0	415.7	740.7	4426.0	3593.4	8019.4	111.6	8871.7	3064.4	277.8	3342.2	137.8	10.5	3.8	25.3	177.4	12391.3
1981	283.6	430.7	714.3	4484.0	3505.2	7989.2	141.1	8844.6	2730.8	374.4	3105.2	152.7	8.3	3.2	32.8	197.0	12146.8
1982	206.1	316.0	522.1	3793.3	3213.6	7006.9	143.9	7672.9	2478.9	295.0	2773.9	129.5	5.7	3.0	33.3	171.5	10618.3
1983	231.6	356.8	588.4	4637.2	3962.2	8599.4	196.1	9383.9	2795.7	388.4	3184.1	162.5	8.1	3.3	35.7	209.6	12777.6

NOTE: Glass fiber data include both textile and other types of glass fiber end uses (e.g., reinforced plastics).

a. Mill Consumption is taken from page 38 of the 1984 March/April ***Organon*** plus susequent revisions.

b. Man-Made staple includes waste

c. Imports are taken from page 39 of the March/April issue and comprise semimanufactured goods; see the footnotes there.

d. These poundages of reprocessed and reused wool, as well as wool consumed on the cotton spinning system, are not included in the mill consumption series for wool (see page 36 of the February 1970 *Organon*). However, they are considered here as part of the available supply of wool as shown in the table below.

TABLE 4: END USE VERSUS AVAILABLE SUPPLY

MILLION POUNDS & PERCENT

	1977			1978			1979			1980			1981			1982			1983		
FIBERS	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]	AVAIL-ABLE[a]	END USE[b]	%[c]
COTTON	3428	3389	*98.9*	3371	3238	*96.1*	3316	3307	*99.7*	3342	3125	*93.5*	3105	2909	*93.7*	2774	2672	*96.3*	3184	2986	*93.8*
WOOL	180	176	*97.8*	193	188	*97.4*	180	173	*96.1*	177	168	*94.9*	197	194	*98.5*	171	169	*98.8*	210	204	*97.1*
TOTAL COTTON & WOOL	**3608**	**3565**	*98.8*	**3564**	**3426**	*96.1*	**3496**	**3480**	*99.5*	**3519**	**3293**	*93.6*	**3302**	**3103**	*94.0*	**2945**	**2841**	**96.5**	**3394**	**3190**	*94.0*
CELL. - YARN[d]	360	358	*99.4*	373	372	*99.7*	364	364	*100.0*	329	329	*100.0*	289	289	*100.0*	212	210	*99.1*	231	216	*93.5*
- STAPLE[e]	530	525	*99.1*	532	517	*97.2*	485	475	*97.9*	421	419	*99.5*	437	435	*99.5*	322	319	*99.1*	375	360	*96.0*
NONCELL - YARN[d]	3570	3551	*99.5*	3713	3708	*99.9*	3833	3830	*99.9*	3607	3567	*98.9*	3575	3474	*97.2*	2983	2964	*99.4*	3590	3574	*99.5*
- STAPLE[e]	3764	3760	*99.9*	3892	3892	*100.0*	3958	3952	*99.8*	3639	3629	*99.7*	3562	3572	*100.3*	3280	3274	*99.8*	3985	3918	*98.3*
TOTAL MAN-MADE FIBER ABOVE	**8224**	**8194**	*99.6*	**8510**	**8489**	*99.8*	**8640**	**8621**	*99.8*	**7996**	**7944**	*99.3*	**7863**	**7770**	*98.8*	**6797**	**6767**	*99.5*	**8181**	**8068**	*98.6*
TEXTILE GLASS	791	791	*100.0*	887	887	*100.0*	922	922	*100.0*	874	874	*100.0*	982	982	*100.0*	876	876	*100.0*	1203	1203	*100.0*
TOTAL FIBERS ABOVE	**12623**	**12550**	*99.4*	**12961**	**12802**	*98.8*	**13058**	**13023**	*99.7*	**12389**	**12111**	*97.8*	**12147**	**11855**	*97.6*	**10618**	**10484**	*98.7*	12778	12461	*97.5*

a. Available means mill consumption plus the imports of semimanufactured products - from the table above.

b. End Use from the summary table on page 159.

c. End Use as a percentage of Available.

d. Yarn includes monofilaments.

e. Staple includes tow, fiberfill and waste.

TABLE 5: SUMMARY OF MAN-MADE FIBER & SEMIMANUFACTURED IMPORTS

MILLION POUNDS

ITEM	1977	1978	1979	1980	1981	1982	1983
CELLULOSIC FIBERS							
YARN	23.5	25.7	13.3	8.3	10.7	7.0	8.7
STAPLE	57.8	41.1	16.5	10.3	16.8	13.4	13.5
WASTE	0.6	0.4	0.8	0.3	0.5	0.4	0.3
NONCELLULOSIC FIBERS							
YARN - SINGLES							
NYLON - TEXTURED	14.0	4.6	1.0	3.2	3.8	4.7	5.1
- OTHER	34.2	25.0	6.1	3.6	4.0	5.5	2.2
POLYESTER - TEXTURED	26.1	6.1	1.1	0.3	0.8	0.5	7.7
- OTHER	12.7	12.7	7.6	6.7	5.4	5.3	14.8
OTHER - TEXTURED	1.1	0.7	0.1	0.2	0.5	4.4	13.7
- OTHER	2.9	1.2	1.3	1.4	1.6	1.6	2.7
MONOFILAMENTS	1.3	1.6	2.4	4.0	2.6	1.5	1.7
STRIPS, OVER $1/LB	0.2	0.3	0.4	0.2	0.2	0.3	0.5
SUBTOTAL ABOVE	**92.5**	**52.2**	**20.0**	**19.6**	**18.9**	**23.8**	**48.4**
STAPLE[a] - NYLON	9.0	7.3	3.1	2.7	25.7	19.1	46.8
- POLYESTER	5.2	8.2	3.1	1.5	7.0	7.3	23.6
- ACRYLIC	17.0	21.8	16.0	15.9	13.9	12.3	20.3
- OLEFIN	+	0.1	0.1	0.1	1.1	0.6	1.1
- OTHER	21.7	23.1	17.1	15.3	12.7	11.8	9.7
SUBTOTAL ABOVE	**52.9**	**60.5**	**39.4**	**35.5**	**60.4**	**51.1**	**101.5**
WASTE, NOT ADVANCED - NYLON	13.0	14.6	12.8	11.7	25.3	22.2	26.8
- POLYESTER	2.5	5.4	3.3	6.0	18.1	11.2	13.0
- ACRYLIC	3.6	3.3	2.4	2.4	2.9	0.9	0.3
- OTHER	3.2	1.5	1.6	1.0	3.0	2.5	2.7
NOILS & GARNETTED FIBERS	+	+	+	+	0.1	0.1	0.2
OTHER WASTE, ADVANCED	0.9	1.2	1.0	0.6	0.6	0.9	3.1
SUBTOTAL ABOVE	**23.2**	**26.0**	**21.1**	**21.7**	**50.0**	**37.8**	**46.1**
TOTAL FIBER ABOVE[b]	**250.5**	**205.9**	**111.1**	**95.7**	**157.3**	**133.5**	**218.5**
SEMIMANUFACTURES							
SLIVER, TOPS & ROVING	4.8	7.6	6.7	2.8	3.7	2.7	4.9
YARNS, THROWN OR PLIED	3.5	4.2	2.6	2.2	4.8	6.7	10.7
SPUN YARNS	28.0	45.4	25.6	22.9	23.5	26.5	39.0
SEWING THREAD & HANDWORK YARN	3.5	2.5	2.6	2.3	2.8	2.3	3.4
WOVEN FABRICS	67.7	87.8	64.6	67.3	95.4	93.3	123.2
NARROW FABRICS	7.5	9.4	9.0	8.1	8.7	10.1	12.7
KNIT FABRIC	12.6	12.4	8.0	6.0	2.2	2.3	2.2
SUBTOTAL ABOVE	**127.6**	**169.3**	**119.1**	**111.6**	**141.1**	**143.9**	**196.1**
TEXTILE GLASS FIBER	22.0	21.8	10.3	7.3	18.2	14.1	20.0
TOTAL SEMIMANUFACTURES ABOVE[c]	**149.6**	**191.1**	**129.4**	**118.9**	**159.3**	**158.0**	**216.1**
GRAND TOTAL ABOVE	**400.1**	**397.0**	**240.5**	**214.6**	**316.6**	**291.5**	**434.6**

a. Includes grouped filaments.
b. **SOURCE:** U.S. Bureau of the Census.
c. **SOURCE:** *Cotton and Wool Situation*, U.S. Department of Agriculture.

For imports of fiber, the data are taken from the monthly summaries in each ***Organon.*** A listing of the commodity numbers used may be found on page 175 of this issue under the monthly import table.

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UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the poundage of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the poundages of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber.

Two reasons to avoid direct comparison are:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and wool 0.6 square yards per pound. But for man-made fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies greatly. Hence, a simple comparison of poundages of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

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TABLE 6a: APPAREL[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL APPAREL	**1977**	**5135.0**	**3267.8**	**219.1**	**84.4**	**1456.2**	**1508.1**	**1734.7**	**132.5**
	1978	**5023.0**	**3201.2**	**227.6**	**79.0**	**1444.1**	**1450.5**	**1683.1**	**138.7**
	1979	**4825.5**	**2997.3**	**244.8**	**96.4**	**1358.7**	**1297.4**	**1696.2**	**132.0**
	1980	**4728.3**	**2951.0**	**222.2**	**76.2**	**1306.2**	**1346.4**	**1651.9**	**125.4**
	1981	**4495.0**	**2751.5**	**194.3**	**115.0**	**1190.8**	**1251.4**	**1595.0**	**148.5**
	1982	**4031.1**	**2393.1**	**141.9**	**68.8**	**986.2**	**1196.2**	**1510.6**	**127.4**
	1983	**4648.7**	**2754.3**	**153.9**	**74.9**	**1210.3**	**1315.2**	**1741.4**	**153.0**
40 SHEER	1977	54.7	54.7	--	--	54.7	--	--	--
HOSIERY (W)*	1978	60.9	60.9	--	--	60.9	--	--	--
	1979	66.1	66.1	--	--	66.1	--	--	--
	1980	70.7	67.8	--	--	67.8	--	2.9	--
	1981	76.4	69.9	--	--	69.9	--	r6.5	--
	1982	75.0	68.5	--	--	68.5	--	r6.5	--
	1983	84.5	77.2	--	--	77.2	--	7.3	--
19, 41 ANKLETS &	1977	165.9	129.2	--	0.4	55.9	72.9	34.7	2.0
SOCKS (MW)*	1978	178.5	136.3	--	0.3	56.0	80.0	40.2	2.0
	1979	167.1	131.4	--	0.5	52.7	78.2	33.2	2.5
	1980	186.4	151.9	--	0.5	56.9	94.5	32.1	2.4
	1981	190.8	149.1	--	0.7	60.3	88.1	38.9	2.8
	1982	173.0	139.9	--	0.4	51.7	87.8	r30.6	2.5
	1983	144.9	102.6	--	0.5	65.0	37.1	39.3	3.0
8, 29 SWEATERS	1977	158.1	139.0	--	0.7	16.9	121.4	7.6	11.5
& RELATED	1978	145.4	126.2	--	0.7	10.1	115.4	7.5	11.7
ACCESSORIES	1979	124.8	103.9	--	0.7	10.2	93.0	6.6	14.3
(MW)*	1980	137.3	115.8	--	0.7	12.6	103.1	7.9	13.6
	1981	140.0	113.8	--	0.6	0.9	112.3	r10.1	16.1
	1982	119.4	92.7	--	1.0	1.4	90.3	r11.7	15.0
	1983	143.8	104.8	--	1.2	0.4	103.2	21.0	18.0
57 CRAFT &	1977	123.1	116.9	--	3.3	--	113.6	4.2	2.0
HANDWORK	1978	130.8	125.0	--	1.7	c	123.3	3.8	2.0
YARNS*	1979	129.0	121.1	--	0.9	c	120.2	3.7	4.2
	1980	126.0	118.7	c	0.2	c	118.5	3.3	4.0
	1981	100.6	92.9	--	0.7	c	92.2	r3.0	4.7
	1982	98.9	91.9	--	0.6	--	91.3	r2.5	4.5
	1983	104.4	97.4	--	0.1	--	97.3	2.3	4.7
16-18 UNDERWEAR &	1977	251.7	66.5	--	--	6.3	60.2	184.2	1.0
NIGHTWEAR (M)*	1978	254.7	74.6	--	0.3	14.6	59.7	179.1	1.0
	1979	257.6	86.3	--	0.8	21.3	64.2	170.3	1.0
	1980	250.9	104.0	--	0.8	26.2	77.0	145.9	1.0
	1981	225.5	84.9	--	1.1	20.9	62.9	r139.4	1.2
	1982	223.1	79.6	--	--	16.3	63.3	r142.5	1.0
SILK	1983	253.5	96.8	--	--	14.5	82.3	155.7	1.0
35-39 UNDERWEAR,	1977	242.7	185.9	19.2	2.2	148.7	15.8	55.8	1.0
NIGHTWEAR,	1978	258.7	190.3	14.7	3.2	141.7	30.7	67.4	1.0
BRAS AND	1979	240.8	184.1	18.7	2.1	137.5	25.8	55.7	1.0
FOUNDATIONS	1980	209.9	169.0	19.7	0.6	117.0	31.7	39.9	1.0
(W)*	1981	202.4	162.0	18.3	c	111.0	32.7	r39.2	1.2
	1982	176.8	136.1	10.9	--	89.4	35.8	r39.7	1.0
SILK	1983	198.3	153.0	12.5	--	105.0	35.5	44.3	1.0
10 31 ROBES &	1977	113.9	91.2	56.3	--	30.4	4.5	20.2	2.5
LOUNGEWEAR	1978	133.0	111.1	70.3	c	33.7	7.1	19.9	2.0
(MW)*	1979	134.2	110.8	60.5	0.9	36.2	13.2	20.9	2.5
	1980	145.7	126.3	63.0	0.4	38.0	24.9	17.0	2.4
	1981	119.3	102.5	44.6	0.2	33.5	24.2	r14.0	2.8
	1982	83.2	67.4	34.5	--	23.7	9.2	r13.5	2.3
SILK	1983	91.8	74.8	39.0	--	22.9	12.9	14.4	2.6

[a] For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see pages 169-171.

TABLE 6b: APPAREL[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
54a HIGH PILE FABRICS	1977	125.0	125.0	--	0.1	6.8	118.1		
	1978	115.7	115.7	--	--	10.5	105.2	IN ITEM 54b BELOW	IN ITEM 54b BELOW
	1979	103.0	103.0	c	0.4	13.5	89.1		
	1980	100.4	100.4	--	0.1	14.3	86.0		
	1981	78.6	78.6	--	0.3	13.1	65.2		
	1982	64.1	64.1	--	--	7.0	57.1		
	1983	73.8	73.8	--	0.6	15.5	57.7		
54b FABRICS FOR LINING*	1977	226.8	152.5	93.4	7.2	25.3	26.6	70.8	3.5
	1978	218.7	150.1	92.3	6.6	23.8	27.4	65.6	3.0
	1979	206.7	146.4	86.8	8.7	24.0	26.9	57.8	2.5
	1980	182.6	123.6	78.0	7.5	17.0	21.1	56.6	2.4
	1981	199.0	144.7	92.7	3.4	19.2	29.4	r 51.5	2.8
	1982	144.5	100.6	70.1	1.0	15.7	13.8	r 41.4	2.5
	1983	146.0	99.7	66.7	1.0	24.0	8.0	43.4	2.9
43 APPAREL LACE (W)*	1977	8.0	6.5	3.5	--	3.0	--	1.5	--
	1978	10.0	8.5	3.7	--	4.8	--	1.5	--
	1979	6.8	5.3	1.7	--	3.6	--	1.5	--
	1980	6.7	5.2	--	--	5.2	--	1.5	--
	1981	8.0	6.5	--	--	6.5	--	1.5	--
	1982	8.7	7.2	--	--	7.2	--	1.5	--
	1983	8.4	6.9	--	--	6.9	--	1.5	--
55 RETAIL PIECE GOODS*	1977	459.1	330.0	6.0	6.0	199.0	119.0	124.1	5.0
	1978	405.5	291.0	5.0	5.0	161.0	120.0	110.5	4.0
	1979	348.0	250.0	4.0	4.0	121.0	121.0	94.0	4.0
	1980	316.7	230.0	3.0	3.0	102.0	122.0	83.7	3.0
	1981	310.5	229.5	2.5	2.0	97.0	128.0	77.4	3.6
	1982	288.8	217.3	3.5	1.8	83.0	129.0	r 68.3	3.2
	1983	275.0	210.6	3.0	1.5	81.1	125.0	61.2	3.2
56a NARROW FABRICS*	1977	42.9	23.3	5.7	0.6	13.4	3.6	19.6	--
	1978	54.9	29.9	5.6	0.2	16.0	8.1	25.0	--
	1979	48.4	25.4	5.1	0.4	13.1	6.8	23.0	--
	1980	52.8	29.6	7.5	0.3	17.2	4.6	23.2	--
	1981	46.6	21.6	5.2	--	14.0	2.4	25.0	--
	1982	40.8	17.8	0.9	--	15.3	1.6	23.0	--
	1983	49.7	24.7	1.7	--	20.8	2.2	25.0	--
TOPWEIGHT FABRICS*	1977	982.0	629.0	25.0	43.0	206.0	355.0	351.0	2.0
	1978	1041.3	689.0	24.0	42.0	263.0	360.0	349.8	2.5
	1979	1048.6	686.0	42.0	49.0	265.0	330.0	360.1	2.5
	1980	1008.7	633.0	32.0	41.0	250.0	310.0	373.3	2.4
	1981	936.5	558.0	20.0	70.0	r 188.0	280.0	r 375.7	2.8
	1982	850.2	456.0	14.0	40.0	r 122.0	280.0	r 392.1	2.1
	1983	1055.0	587.0	23.0	40.0	174.0	350.0	465.0	3.0
BOTTOMWEIGHT FABRICS*	1977	2097.0	1212.0	10.0	18.0	689.0	495.0	783.0	102.0
	1978	1931.8	1088.0	12.0	19.0	647.0	410.0	734.3	109.5
	1979	1860.3	966.0	26.0	28.0	592.0	320.0	796.8	97.5
	1980	1860.6	970.0	19.0	21.0	580.0	350.0	797.4	93.2
	1981	1788.0	926.0	11.0	31.0	r 554.0	330.0	r 751.5	110.5
	1982	1625.0	844.0	8.0	21.0	r 482.0	r 333.0	r 687.7	93.3
	1983	1969.0	1038.0	8.0	30.0	600.0	400.0	817.4	113.6
OTHER APPAREL & ACCESSORIES (MW)*	1977	84.1	6.1	--	2.9	0.8	2.4	78.0	c
	1978	83.1	4.6	--	c	1.0	3.6	78.5	c
	1979	84.1	11.5	--	c	2.5	9.0	72.6	c
	1980	72.9	5.7	--	0.7	2.0	3.0	67.2	c
	1981	72.8	11.5	--	5.0	2.5	4.0	r 61.3	c
	1982	59.6	10.0	--	3.0	3.0	4.0	r 49.6	c
SILK, LINEN	1983	50.6	7.0	--	--	3.0	4.0	43.6	c

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

TABLE 7a: HOME FURNISHINGS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
TOTAL HOME FURNISHINGS	**1977**	**3842.3**	**2904.7**	**54.2**	**157.9**	**1072.1**	**1620.5**	**905.6**	**32.0**
	1978	**3995.7**	**3097.4**	**56.3**	**182.1**	**1160.2**	**1698.8**	**863.0**	**35.3**
	1979	**4091.7**	**3216.8**	**48.1**	**146.3**	**1244.0**	**1778.4**	**848.0**	**26.9**
	1980	**3656.0**	**2828.3**	**47.3**	**122.4**	**1189.2**	**1469.4**	**801.9**	**25.8**
GLASS: 1977-1983	**1981**	**3522.2**	**2749.0**	**35.7**	**119.5**	**1117.3**	**1476.5**	**744.5**	**28.7**
18.0, 16.5, 15.4,	**1982**	**3145.1**	**2442.5**	**26.0**	**78.0**	**1013.3**	**1325.2**	**676.6**	**26.0**
12.5, 12.7, 8.8, 12.7	**1983**	**3914.3**	**3106.2**	**27.7**	**106.5**	**1318.8**	**1653.2**	**776.1**	**32.0**
45 BEDSPREADS & QUILTS*	1977	147.4	65.1	7.5	5.1	20.5	32.0	82.3	--
	1978	138.2	74.5	3.5	6.0	25.0	40.0	63.7	--
	1979	137.3	76.5	3.0	3.0	23.5	47.0	60.8	--
	1980	128.2	73.0	5.4	2.1	15.5	50.0	55.2	--
	1981	132.3	82.6	4.9	3.1	15.7	r 58.9	r 49.7	--
	1982	123.3	76.7	3.8	2.4	14.0	r 56.5	r 46.6	-
	1983	139.8	91.4	6.0	6.2	16.0	63.2	48.4	--
46 BLANKETS & BLANKETING*	1977	130.3	115.7	0.2	--	4.8	110.7	8.8	5.8
	1978	129.2	114.7	0.1	2.0	4.7	107.9	8.5	6.0
	1979	112.1	100.3	0.1	2.0	4.1	94.1	7.3	4.5
	1980	109.1	97.2	--	2.0	3.5	91.7	7.9	4.0
	1981	90.5	78.9	--	0.9	3.5	74.5	7.1	4.5
	1982	79.2	68.0	--	c	2.5	65.5	7.2	4.0
	1983	69.9	57.2	--	c	1.0	56.2	8.2	4.5
47 SHEETS & OTHER BEDDING*	1977	525.2	242.1	0.7	13.7	19.3	208.4	283.1	--
	1978	506.8	237.4	2.4	13.6	18.1	203.3	269.4	--
	1979	508.5	254.1	3.0	9.0	22.2	219.9	254.4	--
	1980	507.9	263.8	2.3	9.4	25.9	226.2	244.1	--
	1981	512.1	299.5	2.6	13.8	34.0	249.1	r 212.6	--
	1982	424.5	243.4	3.9	10.6	43.2	185.7	r 181.1	--
LINEN	1983	500.1	299.3	0.5	11.6	79.6	207.6	200.8	--
48 TOWELS & TOWELING*	1977	308.6	28.5	--	0.5	--	28.0	280.1	--
	1978	308.2	27.9	--	0.5	--	27.4	280.3	--
	1979	334.3	34.3	--	0.5	c	33.8	300.0	--
	1980	328.5	35.3	--	0.9	c	34.4	293.2	--
	1981	326.7	32.6	--	0.9	0.3	31.4	294.1	--
	1982	306.6	28.7	--	0.6	0.8	27.3	277.9	--
LINEN, RAMIE	1983	375.7	36.0	--	0.3	1.7	34.0	339.7	--
56b NARROW FABRICS*	1977	5.7	1.3	0.5	--	0.8	c	4.4	--
	1978	7.2	2.5	1.4	--	0.8	0.3	4.7	--
	1979	6.2	1.9	0.6	--	0.9	0.4	4.3	--
	1980	5.3	1.4	0.2	0.1	0.6	0.5	3.9	--
	1981	6.1	2.3	--	--	0.9	1.4	3.8	--
	1982	5.0	1.8	--	--	0.4	1.4	3.2	--
	1983	5.8	2.1	--	--	0.3	1.8	3.7	--

a. For all lettered and general footnotes to this table, please see pages 169-171.

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LIMITATIONS OF THE SURVEY RESULTS

The statistical results of an end use survey can be only approximations at best. But when the data are viewed as one fiber relative to another, and not as absolute values, then they may be regarded as measuring the long-term trend results of competition between the fibers.

An additional note, the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small poundages of fibers in such end uses as Apparel Lace (Item 43) and still allow the compilation to add arithmetically.

TABLE 7b: HOME FURNISHINGS[a] *(Continued)*

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
50 TOTAL CARPETS	1977	2011.2	1984.7	c	1.0	881.2	1102.5	13.7	12.8
& RUGS*	1978	2178.1	2149.1	--	0.9	970.4	1177.8	15.8	13.2
	1979	2270.7	2243.2	--	0.6	1038.5	1204.1	16.6	10.9
STEEL	1980	1926.0	1900.7	--	0.2	1001.8	898.7	14.9	10.4
SEE DETAIL IN	1981	1837.5	1814.0	--	0.3	918.4	r 895.3	r 12.0	11.5
ITEMS 50a & b	1982	1711.4	1689.7	--	0.3	834.2	r 855.2	11.2	10.5
FOLLOWING	1983	2206.0	2179.5	--	0.2	1064.6	1114.7	13.6	12.9
50a FACE YARNS*	1977	1796.4	1780.7	--	1.0	684.8	1094.9	2.9	12.8
	1978	1938.1	1921.7	--	0.9	756.7	1164.1	3.2	13.2
	1979	2009.0	1994.4	--	0.6	817.8	1176.0	3.7	10.9
	1980	1686.1	1672.7	--	0.2	804.0	868.5	3.0	10.4
NON-ADD	1981	1603.6	1586.9	--	0.3	723.1	r 863.5	r 5.2	11.5
SEE DETAIL	1982	1486.7	1470.5	--	0.3	649.5	r 820.7	r 5.7	10.5
IN FOOTNOTE	1983	1961.2	1940.7	--	0.2	865.8	1074.7	7.6	12.9
50b BACKING*	1977	214.8	204.0	c	--	196.4	7.6	10.8	--
	1978	240.0	227.4	--	--	213.7	13.7	12.6	--
	1979	261.7	248.8	--	--	220.7	28.1	12.9	--
	1980	239.9	228.0	--	--	197.8	30.2	11.9	--
GLASS, JUTE, PAPER	1981	233.9	227.1	--	--	195.3	31.8	r 6.8	--
NON-ADD	1982	224.7	219.2	--	--	184.7	34.5	r 5.5	--
SEE ITEM 50	1983	244.8	238.8	--	--	198.8	40.0	6.0	--
51 CURTAINS*	1977	74.0	62.0	1.8	16.3	23.3	20.6	12.0	--
	1978	88.7	78.2	3.8	19.1	25.5	29.8	10.5	--
ALSO SEE ITEM 52	1979	72.9	62.3	1.4	10.6	23.7	26.6	10.6	--
	1980	89.5	80.1	4.0	7.5	28.4	40.2	9.4	--
GLASS 1977-1983	1981	82.2	73.4	5.6	6.8	25.2	35.8	8.8	--
0.2, 0.1, 0,	1982	61.3	53.3	1.3	5.3	18.3	28.4	8.0	--
0, 0, 0, 0	1983	76.7	68.2	1.2	10.4	25.1	31.5	8.5	--
52 DRAPERY &	1977	587.0	379.8	41.5	121.0	108.1	109.2	193.8	13.4
UPHOLSTERY*	1978	587.2	390.3	42.5	138.0	103.4	106.4	180.8	16.1
	1979	575.8	398.5	37.5	115.0	112.6	133.4	165.8	11.5
SILK, LINEN, BURLAP	1980	487.9	328.8	34.1	94.4	94.7	105.6	147.7	11.4
GLASS 1977-1983	1981	468.0	322.7	21.4	91.4	103.5	106.4	132.6	12.7
10.2, 6.9, 7.6,	1982	376.5	245.2	15.9	57.7	79.4	92.2	119.8	11.5
3.6, 3.7, 3.1, 3.8	1983	463.9	315.3	17.7	76.9	104.3	116.4	134.0	14.6
OTHER HOME	1977	52.9	25.5	2.0	0.3	14.1	9.1	27.4	--
FURNISHINGS*	1978	52.1	22.8	2.6	2.0	12.3	5.9	29.3	--
	1979	73.9	45.7	2.5	5.6	18.5	19.1	28.2	--
LINEN	1980	73.6	48.0	1.3	5.8	18.8	22.1	25.6	--
GLASS 1977-1983	1981	66.8	43.0	1.2	2.3	15.8	23.7	23.8	--
7.6, 9.5, 7.8,	1982	57.3	35.7	1.1	1.1	20.5	13.0	21.6	--
8.9, 9.0, 5.7, 9.9	1983	76.4	57.2	2.3	0.9	26.2	27.8	19.2	--

Noncellulosic yarn includes glass fiber.

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

TABLE 8a: INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
TOTAL INDUSTRIAL & OTHER CONSUMER	**1977**	**3154.6**	**2619.1**	**62.1**	**254.3**	**1752.6**	**550.1**	**527.5**	**8.0**
	1978	**3334.2**	**2853.4**	**66.7**	**234.8**	**1914.8**	**637.1**	**471.8**	**9.0**
	1979	**3485.7**	**3015.6**	**50.4**	**220.5**	**2019.7**	**725.0**	**461.6**	**8.5**
	1980	**3109.1**	**2686.1**	**39.8**	**209.2**	**1804.8**	**632.3**	**412.3**	**10.7**
GLASS 1977-1983	**1981**	**3347.5**	**2931.8**	**41.4**	**188.8**	**2027.6**	**674.0**	**403.9**	**11.8**
773 3, 870 2, 907 2,	**1982**	**2972.1**	**2593.2**	**30.1**	**165.2**	**1759.4**	**638.5**	**368.6**	**10.3**
861 8, 951 1, 866 8, 1190 3	**1983**	**3617.9**	**3227.3**	**22.5**	**173.3**	**2178.2**	**853.3**	**376.6**	**14.0**
56c NARROW FABRICS*	1977	89.0	69.5	0.2	--	69.3	c	19.5	--
	1978	95.1	77.8	0.3	0.5	76.7	0.3	17.3	--
	1979	95.2	79.5	0.2	c	79.0	0.3	15.7	--
	1980	86.7	71.9	1.0	--	68.1	2.8	14.8	--
	1981	91.5	77.8	3.4	--	74.0	0.4	13.7	--
	1982	87.4	74.9	3.1	--	70.5	1.3	12.5	--
SILK, LINEN	1983	100.8	88.8	1.0	--	86.6	1.2	12.0	--
61 MEDICAL, SURGICAL & SANITARY*	1977	317.7	219.9	--	178.0	22.6	19.3	97.8	--
	1978	325.3	230.0	--	165.0	23.5	41.5	95.3	--
	1979	359.0	259.9	--	155.0	24.5	80.4	99.1	--
	1980	343.3	253.2	--	141.7	31.6	79.9	90.1	--
	1981	336.2	248.5	--	122.1	38.1	88.3	87.7	--
	1982	324.8	234.6	--	106.2	39.9	88.5	r 90.2	--
	1983	339.1	250.3	--	114.3	46.5	89.5	88.8	--
63-64 TRANSPORTATION FABRIC*	1977	78.2	49.5	0.5	5.8	13.3	29.9	28.7	--
	1978	66.4	45.4	2.9	6.5	16.4	19.6	21.0	--
	1979	59.0	42.5	0.6	2.9	18.8	20.2	16.5	--
	1980	48.5	37.8	--	1.1	16.5	20.2	10.7	--
	1981	62.6	52.8	--	0.5	22.2	30.1	9.8	--
	1982	47.6	38.7	--	1.4	22.8	14.5	r 8.9	--
	1983	63.5	53.5	--	0.6	32.3	20.6	10.0	--
65 TIRES*	1977	569.6	562.9	35.3	--	527.6	--	6.7	--
	1978	595.5	589.6	37.0	--	552.6	--	5.9	--
	1979	572.1	565.9	25.7	--	540.2	--	6.2	--
STEEL - SEE FOOTNOTE	1980	418.4	413.0	20.5	--	392.5	--	5.4	--
GLASS 1977-1983	1981	428.8	424.1	18.9	--	405.2	--	4.7	--
25 5, 29 0, 27 4,	1982	359.1	355.2	12.5	--	342.7	--	r 3.9	--
22 0, 23 7, 23 6, 24 2	1983	360.0	356.0	11.0	--	345.0	--	4.0	--
66 HOSE*	1977	44.0	37.5	14.0	--	15.6	7.9	6.5	--
	1978	48.5	43.5	16.0	--	18.5	9.0	5.0	--
	1979	52.5	47.2	15.5	--	19.9	11.8	5.3	--
	1980	43.2	38.7	11.9	--	18.3	8.5	4.5	--
	1981	47.3	42.9	11.5	--	21.7	9.7	r 4.4	--
	1982	28.8	26.3	7.0	--	15.5	3.8	r 2.5	--
LINEN	1983	27.7	25.6	6.5	--	16.5	2.6	2.1	--
67 BELTING*	1977	74.4	54.4	3.2	--	37.1	14.1	20.0	--
	1978	70.8	57.4	2.0	0.2	37.1	18.1	13.4	--
	1979	91.6	75.9	1.7	0.2	44.7	29.3	15.7	--
	1980	62.4	50.5	1.0	0.7	34.5	14.3	11.9	--
GLASS 1977-1983	1981	66.6	54.1	2.4	1.0	37.7	13.0	r 12.5	--
0 1, 0 1, 0,	1982	48.5	37.8	1.8	0.5	26.7	8.8	r 10.7	--
0, 0, 0, 0	1983	53.9	44.5	1.9	--	28.0	14.6	9.4	--
69 77 ELECTRICAL & REINFORCED PLASTICS*	1977	586.3	561.3	--	--	561.3	--	25.0	--
	1978	645.2	620.2	c	--	620.0	0.2	25.0	--
	1979	679.6	654.6	0.2	--	654.2	0.2	25.0	--
SILK, LINEN, JUTE	1980	593.4	568.4	--	--	568.4	c	25.0	--
GLASS 1977-1983	1981	613.4	588.4	c	--	588.3	0.1	25.0	--
555 7, 614 6, 648 0,	1982	486.8	461.8	--	--	461.8	c	25.0	--
559 8, 582 3, 455 2, 632 7	1983	662.6	637.6	--	--	637.6	c	25.0	--
70 FELTS*	1977	20.1	11.3	--	3.2	2.0	6.1	1.8	7.0
	1978	25.3	15.8	--	6.1	2.3	7.4	1.5	8.0
	1979	26.5	17.6	--	5.3	5.2	7.1	1.4	7.5
	1980	28.1	17.0	--	3.4	4.8	8.8	1.4	9.7
	1981	27.0	14.8	--	4.0	5.2	5.6	1.4	10.8
	1982	20.2	9.6	--	--	4.6	5.0	1.3	9.3
	1983	27.0	12.7	--	3.5	3.9	5.3	1.3	13.0

[a] For all lettered and general footnotes to this table, please see pages 169-171.

TABLE 8b: INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a]
(Continued)

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
71 FILTRATION*	1977	40.9	35.0	--	4.2	8.0	22.8	5.9	--
CIGARETTE FILTRATION -	1978	44.6	38.5	--	4.4	8.8	25.3	6.1	--
SEE FOOTNOTE	1979	46.0	40.8	--	3.3	10.5	27.0	5.2	--
	1980	47.8	42.2	--	4.0	8.4	29.8	5.6	--
GLASS 1977-1983	1981	39.6	34.0	--	4.1	10.1	19.8	5.6	--
3.8, 5.0, 6.0,	1982	35.9	30.9	--	3.7	9.6	17.6	5.0	--
4.3, 5.0, 4.0, 5.0	1983	39.2	34.0	--	1.3	8.8	23.9	5.2	--
72 SEWING THREAD*	1977	116.3	56.2	0.3	4.5	39.4	12.0	60.1	--
	1978	116.6	61.4	0.2	4.3	42.2	14.7	55.2	--
	1979	111.3	62.6	0.1	3.7	45.7	13.1	48.7	--
	1980	111.9	64.7	c	5.6	46.2	12.9	47.2	--
	1981	135.2	73.7	c	8.0	49.5	16.2	r61.5	--
	1982	105.5	60.6	c	7.1	40.0	13.5	r44.9	--
SILK, LINEN	1983	123.1	76.3	c	7.6	50.0	18.7	46.8	--
73 ROPE, CORDAGE, FISHLINE, ETC.*	1977	155.6	122.4	2.2	1.3	112.9	6.0	33.2	--
	1978	171.5	140.1	2.0	1.0	126.4	10.7	31.4	--
	1979	183.8	154.1	1.0	2.1	147.1	3.9	29.7	--
	1980	161.7	134.6	0.8	0.9	130.6	2.3	27.1	--
	1981	172.4	148.2	1.8	0.7	137.4	8.3	24.2	--
SISAL, LINEN,	1982	162.5	139.3	1.0	0.8	126.6	10.9	23.2	--
JUTE, SILK	1983	176.3	152.2	0.8	0.6	138.3	12.5	24.1	--
74 BAGS & BAGGING*	1977	53.3	46.0	--	--	45.8	0.2	7.3	--
	1978	51.8	44.5	--	--	44.5	--	7.3	--
	1979	62.2	55.0	--	--	53.6	1.4	7.2	--
	1980	67.2	60.4	--	--	60.4	--	6.8	--
	1981	68.2	61.6	--	--	61.6	--	6.6	--
	1982	68.8	62.6	--	--	62.6	--	6.2	--
JUTE	1983	73.1	67.5	--	--	67.5	--	5.6	--
75 COATED & PROTECTIVE FABRICS*	1977	169.7	102.0	--	17.4	28.5	56.1	67.7	--
	1978	170.3	107.4	--	10.6	36.8	60.0	62.9	--
	1979	167.3	113.8	0.1	10.2	40.9	62.6	53.5	--
	1980	175.7	124.2	0.5	10.5	33.3	79.9	51.5	--
GLASS 1977-1983	1981	173.0	124.7	--	10.4	33.1	81.2	48.3	--
4.0, 4.0, 4.0,	1982	164.7	120.4	--	7.1	42.3	71.0	44.3	--
3.0, 4.0, 3.0, 4.0	1983	227.9	181.9	--	10.6	50.2	121.1	46.0	--
76 PAPER & TAPE REINFORCING*	1977	58.6	51.2	1.4	6.5	42.6	0.7	7.4	--
	1978	52.0	45.4	1.5	3.0	40.4	0.5	6.6	--
	1979	46.7	41.6	1.2	c	40.0	0.4	5.1	--
JUTE	1980	40.7	36.2	1.3	c	34.7	0.2	4.5	--
GLASS 1977-1983	1981	41.8	38.0	c	0.9	36.6	0.5	3.8	--
38.5, 39.5, 39.5,	1982	36.1	33.1	c	0.9	29.9	2.3	3.0	--
32.7, 36.0, 28.5, 33.5	1983	39.2	35.8	c	0.4	34.1	1.3	3.4	--
79a FIBERFILL, STUFFING & FLOCK*	1977	261.7	261.7	--	7.7	--	254.0	--	--
	1978	268.1	268.1	--	4.8	--	263.3	--	--
	1979	311.2	311.2	--	5.5	--	305.7	--	--
	1980	254.9	254.9	--	6.3	--	248.6	--	--
	1981	293.5	293.5	--	10.7	--	282.8	--	--
	1982	277.2	277.2	--	7.2	--	270.0	--	--
	1983	331.7	331.7	--	7.4	--	324.3	--	--
79b UNALLOCATED NONWOVENS*	1977	83.5	83.5	--	9.5	--	74.0	--	--
	1978	96.7	96.7	--	10.9	--	85.8	--	--
	1979	120.0	120.0	--	14.8	--	105.2	--	--
	1980	95.4	95.4	--	14.1	--	81.3	--	--
	1981	81.6	81.6	--	12.0	--	69.6	--	--
	1982	90.4	90.4	--	9.2	--	81.2	--	--
	1983	136.6	136.6	--	6.9	--	129.7	--	--
MISCELLANEOUS	1977	435.7	294.8	5.0	16.2	226.6	47.0	139.9	1.0
INDUSTRIAL &	1978	490.5	371.6	4.8	17.5	268.6	80.7	117.9	1.0
CONSUMER-TYPE	1979	501.7	373.4	4.1	17.5	295.4	56.4	127.3	1.0
PRODUCTS*	1980	529.8	423.0	2.8	20.9	356.5	42.8	105.8	1.0
GLASS 1977-1983	1981	668.8	573.1	3.4	14.4	506.9	48.4	94.7	1.0
145.7, 178.0, 182.3,	1982	627.8	539.8	4.7	21.1	463.9	50.1	r87.0	1.0
240.1, 318.3, 352.5, 490.9	1983	836.2	742.3	1.3	20.1	632.9	88.0	92.9	1.0

Noncellulosic yarn includes glass fiber.

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook***.

TABLE 9: EXPORTS OF DOMESTIC PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
				CELLULOSIC		NONCELL.			
			TOTAL	YARN	STAPLE	YARN	STAPLE		
TOTAL EXPORTS OF DOMESTIC PRODUCTS	**1977**	**417.7**	**192.7**	**23.2**	**28.2**	**60.8**	**80.5**	**220.9**	**4.1**
	1978	**448.8**	**225.2**	**22.0**	**21.5**	**76.0**	**105.7**	**219.8**	**3.8**
	1979	**620.4**	**313.4**	**21.0**	**12.0**	**128.6**	**151.8**	**301.3**	**5.7**
	1980	**617.5**	**351.8**	**20.0**	**10.8**	**141.0**	**180.0**	**259.3**	**6.4**
	1981	**489.9**	**318.6**	**17.2**	**10.3**	**121.0**	**170.1**	**165.8**	**5.5**
	1982	**336.2**	**215.0**	**11.7**	**6.9**	**82.5**	**113.9**	**114.9**	**6.3**
	1983	**279.6**	**183.9**	**11.0**	**6.0**	**70.0**	**96.9**	**90.6**	**5.1**
80 YARN, THREAD, ETC*	1977	59.6	39.5	e	9.4	e	30.1	16.9	3.2
	1978	72.3	37.7	e	3.5	e	34.2	32.0	2.6
	1979	94.2	55.8	e	4.0	e	51.8	34.2	4.2
	1980	105.1	53.3	e	3.3	e	50.0	47.0	4.8
	1981	103.9	62.2	e	3.9	e	58.3	38.1	3.6
	1982	75.2	40.2	e	2.5	e	37.7	30.1	4.9
	1983	70.5	35.3	e	2.0	e	33.3	31.2	4.0
81 WOVEN & KNIT FABRIC*	1977	358.1	153.2	23.2	18.8	60.8	50.4	204.0	0.9
	1978	376.5	187.5	22.0	18.0	76.0	71.5	187.8	1.2
	1979	526.2	257.6	21.0	8.0	128.6	100.0	267.1	1.5
	1980	512.4	298.5	20.0	7.5	141.0	130.0	212.3	1.6
	1981	386.0	256.4	17.2	6.4	121.0	111.8	127.7	1.9
	1982	261.0	174.8	11.7	4.4	82.5	76.2	84.8	1.4
	1983	209.1	148.6	11.0	4.0	70.0	63.6	59.4	1.1
82 TIRE CORD & CORD FABRIC*	1977	INCLUDED IN TIRES (END USE 65)							
	1978								
	1979								
	1980								
	1981								
	1982								
	1983								

a. For all lettered and general footnotes to this table, please see pages 169-171.

NOTES FOR EXPORT ITEMS ABOVE

For all lettered and general footnotes to this table, see page 169.

These exports do not duplicate the end use poundages that are reported in Items 1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man-made fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

These data agree with the corresponding figures on page 39 of the March 1983 ***Organon***, as revised.

80. YARN, THREAD, ETC: Consists of sliver, tops & roving; plied, thrown and spun yarn, sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC: Consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric. See footnote g on page 39 of the March 1983 ***Organon***.

82. TIRE CORD & CORD FABRIC: Data shown in this series in previous ***Organon*** issues have been incorporated into Item 65, Tires. See footnote 65 on page 166.

GENERAL NOTES FOR END USE TABLES
ON PAGES 162-168.

Units are in million pounds.

-- Means that little, or none, of the fiber is used.

* When an asterisk appears, there is a footnote at the end of the table.

● Means a significant revision in the 1977-1983 data series compared with the corresponding data shown in the November 1983 ***Organon*** issue. Earlier years' data on the new basis are not available.

a. This letter in the title of each table refers the reader to these notes.

b. Man-made fiber end use in these tables is divided between Cellulosic (rayon+acetate fibers) and Noncellulosic (nylon, polyester, acrylic, olefin, saran, spandex and textile glass fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 171. All textile glass fiber is tabulated as yarn. Certain waste poundages, which are tabulated with staple, are included; see text on page 158.

The noncellulosic fibers included in this survey, for one or more years, are the acrylic, aramid, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester, saran, spandex and vinyon fibers.

c. Means less than 50,000 pounds, i.e., nominal.

d. The staple data are tabulated in the yarn column.

e. The yarn data are tabulated in the staple column.

r. This datum shows a significant revision compared with the November 1983 ***Organon*** data.

When textile glass fiber is included in an end use, the word "Glass" appears in the lower left corner of the end use box, together with the annual consumption data for 1977-1983. These glass fiber poundages are included with noncellulosic yarn in that end use and in the section totals.

When silk, linen, jute, sisal, etc., are consumed in an end use, in addition to cotton, wool and the man-made fibers, the fiber is named in the middle left of the end use box. But no poundage data for such fibers are included in either such end use or in the section totals.

As described in the footnotes to Items 54a and 54b above, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS PAGES 162-163.

For all lettered and general footnotes to this table, see notes above.

40. SHEER HOSIERY (W): Full-fashioned & seamless full length, pantyhose, knee-highs and surgical hosiery. Bodywear is in Items 35-39.

19, 41. ANKLETS & SOCKS (MW): Men's and women's foot socks, anklets and nonsheer knee-high hose. Also includes men's midcalf and surgical hose.

8, 29. SWEATERS (MW): Knitted sweater shirts, coats, jackets and related accessories. Also note Item 57.

57. CRAFT & HANDWORK YARNS: Yarn and thread for crocheting, darning, embroidery, mending, hand knitting, etc. Does not include sewing thread (Item 72). Olefin yarn for macrame is in Miscellaneous Industrial.

16-18. UNDERWEAR & NIGHTWEAR (M): Undershirts, shorts & briefs, sleep coats, pajamas, nightshirts, thermal underwear, etc.

35-39. UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS: Underwear and nightwear component includes full and half slips, panties, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, sleep & lounging pajamas, sleep coats, peignoir & robe sets with nightgowns or pajamas, negligees and bedjackets. Also includes bodywear and all children's and infants' underwear & nightwear. **Excludes** the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations component includes bandeaux, corsets & girdles, combination & one-piece garments, garter belts, two-way stretch and surgical & maternity foundation garments.

10, 31. ROBES & LOUNGEWEAR (MW): Men's & boys' beach & bathrobes, dressing gowns and smoking jackets; and women's beach- & bathrobes and housecoats.

54a. HIGH PILE FABRICS: All applications (Apparel, Home Furnishings and Industrial). Apparel shell fabrics and "surface lining" garment items are included.

54b. FABRICS FOR LINING: All man-made fiber types except high pile fabrics (Item 54a), lining type fabrics sold as retail piece goods (see Item 55) and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other ConsumerType). The apparel lining component of this series includes main linings, interlinings, zip-in linings (except pile), linings for pockets and waistbands as well as the acetate and nylon tricot used for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

43. APPAREL LACE: Nets and veilings.

55. RETAIL PIECE GOODS: Mainly women's apparel-type fabrics but all other types of apparel fabrics are included in addition to fabrics destined for apparel linings and home furnishings application.

56a. NARROW FABRICS: ELASTIC AND NONELASTIC TYPES. The "narrow woven goods" made by slicing thermoplastic fiber broad woven fabrics with a hot knife to produce fused-edge narrow fabrics are not included here. **NARROW FABRIC** poundages for home furnishings and industrial uses are shown in those sections.

TOPWEIGHT FABRICS: All shirts, blouses, lightweight dress and other lightweight fabrics. The fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are in Item 55.

BOTTOMWEIGHT FABRICS: Pants, sportswear, tailored clothing, career apparel and other heavier weight fabrics. The fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are in Item 55.

OTHER APPAREL: Men's & women's work gloves and handkerchiefs. Man-made fiber used for knitted accessories such as scarves, mufflers, gloves, caps, etc., is in Items 8 & 29.

NOTES FOR HOME FURNISHING ITEMS
PAGES 164-165

For all lettered and general footnotes to this table, see page 152.

HOME FURNISHINGS: Data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the poundages tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man-made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 158 regarding the inclusion of certain man-made fiber waste poundages here. Certain felt poundages are in Item 70.

45. BEDSPREADS: Tailored & throw spreads, both tufted & woven, as well as the backing. **QUILTS:** Comforters and their outer shell; quilted pads are in Item 47.

46. BLANKETS & BLANKETING Woven, knitted, needle-punched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable poundages of rayon, acrylic, nylon & wool waste are included here.

47. SHEETS: Pillowcases. **OTHER BEDDING:** Outside cover of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man-made staple poundages here are mainly polyester for sheets and rayon & polyester for bed ticking. The man made filament is chiefly polyester for bed ticking.

48. TOWELS & TOWELING: woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste poundage used in these products is not included.

56b. NARROW FABRICS: Only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

50. CARPETS & RUGS (TOTAL): Sum of 50a & 50b.

50a. FACE YARNS: Tufted, woven, knitted and needle punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass." Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle punched are the indoor outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. CARPET BACKING FIBERS: The Cellulosic Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small poundages of nylon & polyester filament yarn. The Other Staple is olefin only.

The substantial poundages of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the poundages of wool, hair and jute used in carpet and rug pads and cushions.

51. CURTAINS: Lace and other types (principally woven), i.e., cafe, tiered & cottage; ruffled; shortie drapes and tailored. Shower curtains are in Other Home Furnishings.

52. DRAPERY & UPHOLSTERY: Furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 56c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS: Woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man made fibers, it includes insect screening & netting. Wall covering fabric is in Miscellaneous Industrial.

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS
PAGES 166-167

For all lettered and general footnotes to this table, see page 169.

56c. NARROW FABRICS: Woven labels, industrial webbing, shoelaces, tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. MEDICAL, SURGICAL & SANITARY: Bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. TRANSPORTATION FABRIC: Auto seat upholstery & slipcovers, sidewall, headlining (except textile glass in Item 77) and sheeting. The cotton poundages include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. It does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc., or the textile glass fiber used in reinforced plastic seating for subways, buses, etc. (in Item 77). Starting in 1978, the man-made fiber used for substrates for automotive fabric is included in Item 75.

65. TIRES: All types, i.e., automobile, truck, tractor, off road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flipper fabric, breaker strips, bead wraps, etc.

The data include imports of tire yarn, cord & fabric and also cover any poundages subsequently exported in cord or fabric form. The glass figures represent uncoated yarns.

The consumption of steel tire cord for the years 1977-1983 inclusive is estimated as follows: 182.0, 182.0, 180.0, 142.0, 154.3, 159.8& 219.2. However, these poundages are **not included** in Item 65 above.

66. HOSE: Fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67. BELTING: Includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V belts.

69 & 77. ELECTRICAL APPLICATIONS & REINFORCED PLASTICS: The cotton poundages are estimated.

Electrical Applications: Electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics: High and low pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.), and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl supported upholstery fabric in Item 63, etc.

70. FELTS: Wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool poundage includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. FILTRATION: Woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool poundage used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. SEWING THREAD: Home sewing and industrial & weight goods, as well as medical sutures.

73. ROPE: (Braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC.,** includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. BAGS & BAGGING: Man made Other Yarn is nylon mailbags plus olefin leno mesh & close woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. COATED & PROTECTIVE FABRICS: For the man made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets; awnings; beach, garden & tractor umbrellas; inflatable dunnage & cushions; air supported structures & automotive air spring diaphragms and boat & pool covers.

The cotton poundages include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton poundages used for vinyl substrates; such poundages are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Man made fiber surfaces for recreational fields are not included in this survey.

76. PAPER & TAPE REINFORCING Gummed and pressure sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a. FIBERFILL, STUFFING & FLOCK: All applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1977-1983 inclusive was: 176.9, 199.2, 240.8, 206.1, 228.3 & 276.5. For the same years, use of polyester waste for stuffing and filling materials was: 54.6, 59.1, 41.5, 45.4, 24.0, 20.7 & 30.4.

79b. UNALLOCATED NONWOVENS All nonwoven poundages remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary; filtration; coated & protective fabrics; and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS: The cotton for abrasives, book binding; luggage & handbags; shoes & slippers; tobacco cloth; woven wiping cloths and wall covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macrame and other craft yarns.

Also included under Other Yarn are the substantial poundages of textile glass fiber not allocated elsewhere, particularly the poundages used in the manufacture of roofing shingles, built up roofing and wallboard & plaster.

TABLE 10: FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

		ANNUAL DATA				QUARTERLY DATA							
						1983				1984			
ITEM		1980	1981	1982	1983	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(A) ACETATE			(N) NYLON *			(P) POLYESTER				(O) OLEFIN			
HOSIERY[b]	N	106.3	107.0	92.3	104.3	25.4	26.3	26.0	26.6	27.8	25.6		
OTHER CIRCULAR KNIT[c]	N	56.6	48.2	25.7	24.5	5.3	6.0	5.0	7.2	4.2	5.1		
	P	495.7	345.6	228.4	293.7	77.2	79.3	67.5	69.7	55.7	42.0		
	A	3.2	3.6	1.6	2.1	0.7	0.5	0.6	0.3	0.4	1.0		
FLAT KNIT	A	144.9	98.7	71.7	79.1	18.0	23.6	20.1	17.4	18.1	19.8		
	N	176.3	163.2	130.8	162.2	39.0	42.4	39.8	41.0	40.4	33.0		
	P	83.8	98.4	87.0	116.6	22.4	26.2	31.3	36.7	32.7	36.0		
CARPET FACE	N	714.5	633.6	559.5	734.6	143.9	196.4	196.4	197.9	191.1	197.7		
	O	89.5	89.5	90.0	131.2	29.8	34.0	33.1	34.3	29.9	32.4		
CARPET BACKING[d]	O	197.8	195.3	184.7	198.8	46.1	54.1	53.7	44.9	48.1	53.0		
OTHER BROAD WOVEN[e]	A	110.5	110.7	88.8	113.6	24.2	29.2	29.7	30.5	29.8	30.5		
	N	94.3	89.2	82.2	83.6	21.3	22.3	19.3	20.7	20.5	24.7		
	P	405.5	440.2	367.0	489.9	107.0	138.6	118.1	126.2	104.8	93.9		
	O	186.3	200.7	172.5	217.1	48.9	57.2	58.1	52.9	51.2	54.3		
NARROW WOVEN[f]	A	8.7	8.6	2.9	1.7	0.9	0.2	0.4	0.2	0.1	0.3		
	N	31.4	34.0	30.2	35.3	7.0	9.2	9.5	9.6	10.8	10.1		
	P	28.1	28.1	28.1	35.5	7.7	8.5	8.7	10.6	8.6	8.8		
	O	12.3	12.6	12.1	15.0	3.7	3.5	3.8	4.0	3.7	3.8		
TIRES, INCL. CHAFER	N	209.2	204.7	147.9	145.5	29.2	33.7	34.8	47.8	42.4	45.5		
	P	161.0	174.8	168.9	174.1	42.9	45.3	42.5	43.4	44.6	44.5		
OTHER RUBBER INDUSTRY[g]	N	22.3	25.7	17.3	16.3	4.1	4.3	4.0	3.9	5.1	5.6		
	P	30.2	35.1	26.7	27.8	6.4	7.7	5.9	7.8	8.1	9.9		
ROPE, CORDAGE & FISHLINE	N	33.0	30.6	29.1	31.7	7.5	7.6	8.0	8.6	8.7	9.9		
	P	13.1	15.8	14.4	12.2	3.3	3.4	2.8	2.7	4.5	3.9		
	O	84.4	92.1	84.8	95.5	23.3	25.7	23.1	23.4	28.4	27.9		
ALL OTHER[h]	A	1.9	4.7	4.0	1.1	0.3	0.4	0.2	0.2	0.3	0.3		
	N	95.0	68.1	50.6	54.4	12.3	10.9	14.6	16.6	14.1	13.5		
	P	146.0	292.0	214.3	144.6	39.4	33.6	30.4	41.2	32.9	47.1		
	O	41.4	38.1	32.9	41.0	8.8	9.7	10.3	12.2	8.0	8.8		
TOTAL ABOVE	**A**	**269.2**	**226.3**	**169.0**	**197.6**	**44.1**	**53.9**	**51.0**	**48.6**	**48.7**	**51.9**		
	N	**1538.9**	**1404.3**	**1165.6**	**1392.4**	**295.0**	**359.1**	**358.4**	**379.9**	**365.1**	**370.7**		
	P	**1363.4**	**1430.0**	**1134.8**	**1294.4**	**306.3**	**342.6**	**307.2**	**338.3**	**291.9**	**286.1**		
	O	**611.7**	**628.3**	**577.0**	**698.6**	**160.6**	**184.2**	**182.1**	**171.7**	**169.3**	**180.2**		
TOTAL DOMESTIC		**3783.2**	**3688.9**	**3046.4**	**3582.8**	**806.0**	**939.8**	**898.7**	**938.3**	**875.0**	**888.9**		
ALSO DIVIDED AS													
APPAREL		1530.4	1530.0	1128.2	1257.5	305.4	335.6	301.7	314.8	278.1	308.8		
HOME FURNISHINGS		1212.7	1129.4	1016.6	1328.7	272.0	351.3	350.3	355.1	335.3	305.5		
INDUSTRIAL		1040.1	1029.5	901.6	996.8	228.6	252.9	246.7	268.6	261.6	274.6		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		167.4	159.6	122.3	127.1	30.9	32.8	31.5	31.9	31.3	30.4		
POLYESTER		942.0	991.3	737.9	832.4	201.0	221.8	192.2	217.4	173.6	162.1		
OLEFIN		40.9	33.5	26.8	28.0	6.2	8.2	7.4	6.2	5.9	5.8		

*****. Includes Aramid in 1980 through 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

TABLE 11: STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1983				1984			
		1980	1981	1982	1983	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
(R) RAYON (N) NYLON * (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	275.7	255.6	230.5	237.3	58.1	64.3	60.4	54.5	54.4	57.1		
	NPR	11.5	8.9	8.8	9.5	2.9	2.7	2.2	1.7	1.4	1.6		
PILE FABRICS[b]	A	60.4	44.7	36.4	33.0	9.0	10.3	7.8	5.9	8.3	8.9		
	P	18.3	14.9	15.6	18.2	4.8	4.9	5.0	3.5	4.8	5.0		
OTHER CIRCULAR+FLAT KNIT[c]	R	9.8	10.9	5.7	3.5	1.0	1.2	0.9	0.4	1.2	0.6		
	A	125.0	91.6	112.6	129.5	31.5	32.2	33.0	32.8	32.0	35.0		
	P	296.3	300.7	288.8	354.4	91.5	91.1	85.8	86.0	77.6	76.5		
BLANKETS[b]	A	42.2	28.1	23.7	27.1	7.7	6.7	8.1	4.6	6.9	5.5		
	P	17.3	14.8	12.0	10.5	3.8	2.8	2.5	1.4	1.4	1.4		
OTHER BROAD WOVEN	R	201.6	224.7	146.6	182.1	40.8	45.3	47.0	49.0	48.9	42.8		
	N	53.0	52.4	56.4	59.0	15.4	16.6	14.2	12.8	12.3	11.0		
	A	42.3	33.0	25.7	32.5	7.7	8.8	8.2	7.8	9.4	7.4		
	P	1194.6	1107.0	889.0	1062.9	237.0	270.4	272.3	283.2	272.6	270.6		
	O	17.3	17.1	16.1	19.4	4.9	5.0	4.9	4.6	5.7	5.3		
CARPET FACE YARNS	R	+	0.3	0.1	0.2	+	0.1	+	0.1	0.2	+		
	N	631.5	617.4	594.4	815.2	175.3	220.7	215.9	203.3	194.6	196.1		
	A	Included in All Other											
	P	119.9	124.0	114.7	139.0	34.7	39.8	33.2	31.3	31.2	35.6		
	O	61.6	67.5	76.8	93.6	21.7	23.7	22.7	25.5	22.4	25.2		
FIBERFILL[d]	P	205.1	226.7	228.4	275.4	60.8	68.8	75.3	70.5	69.2	65.9		
FLOCK	NP	10.8	13.0	10.2	10.6	2.3	3.0	3.0	2.3	2.3	2.3		
	R	5.1	5.6	3.1	3.2	0.9	0.7	0.7	0.9	0.7	0.7		
NONWOVENS[e,f]	R	147.3	124.6	111.9	119.0	30.5	29.0	29.3	30.2	33.8	32.4		
	N	3.2	3.5	3.8	4.9	1.1	1.1	1.4	1.3	0.9	0.6		
	P	166.6	149.3	155.2	177.4	38.8	48.4	47.8	42.4	44.6	46.7		
	VINYON+O	34.6	42.7	39.0	61.5	10.2	13.0	16.5	21.8	25.2	29.6		
ALL OTHER	R	26.2	29.1	24.3	23.8	6.3	6.1	6.4	5.0	5.5	5.6		
	N	12.2	10.3	7.7	5.2	1.2	1.6	1.3	1.1	1.1	0.9		
	A	39.7	41.1	29.0	32.8	6.1	7.0	10.4	9.3	9.6	10.3		
	P	42.6	60.6	57.8	55.8	14.6	12.6	14.7	13.9	11.7	24.5		
	VINYON+O	1.5	4.7	7.0	8.9	2.9	2.4	1.0	2.6	0.4	0.9		
TOTAL ABOVE	**R**	**390.7**	**396.9**	**293.7**	**333.5**	**80.1**	**83.0**	**84.6**	**85.8**	**90.7**	**82.5**		
	N	**711.2**	**696.4**	**673.3**	**897.1**	**196.0**	**243.5**	**236.2**	**221.4**	**211.1**	**210.6**		
	A	**585.3**	**494.1**	**457.9**	**492.2**	**120.1**	**129.3**	**127.9**	**114.9**	**120.6**	**124.2**		
	P	**2071.0**	**2005.4**	**1767.5**	**2099.2**	**487.6**	**540.4**	**538.1**	**533.1**	**514.2**	**527.7**		
	VINYON+O	**115.0**	**132.0**	**138.9**	**183.4**	**39.7**	**44.1**	**45.1**	**54.5**	**53.7**	**61.0**		
TOTAL DOMESTIC		**3873.2**	**3724.8**	**3331.3**	**4005.4**	**923.5**	**1040.3**	**1031.9**	**1009.7**	**990.3**	**1006.0**		
ALSO DIVIDED AS													
APPAREL		1632.9	1487.5	1321.7	1461.3	360.8	386.0	359.9	354.6	341.1	347.9		
HOME FURNISHINGS		1478.0	1442.9	1266.4	1630.0	363.9	432.9	424.8	408.4	404.7	406.1		
INDUSTRIAL		762.3	794.4	743.2	914.1	198.8	221.4	247.2	246.7	244.5	252.0		

* 1980 through 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

TABLE 12: SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1984												7 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1984	1983
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	55	5	0	0	0	0	0						60	149
CANADA	42	12	327	45	366	250	316						1358	965
MEXICO	163	120	55	41	41	0	40						460	618
AUSTRIA	0	0	0	0	0	0	0						0	1294
GERMANY, FED. REP. OF	714	327	396	256	405	159	571						2828	768
NETHERLANDS	28	40	40	57	49	24	65						303	300
UNITED KINGDOM	0	0	+	0	0	0	0						+	106
JAPAN	74	86	62	23	104	+	35						384	222
REP. OF KOREA	60	0	40	0	80	0	0						180	40
ALL OTHER COUNTRIES[a]	0	1	43	27	27	12	4						114	104
TOTAL CELL. YARN	**1136**	**591**	**963**	**449**	**1072**	**445**	**1031**						**5687**	**4626**
CELLULOSIC STAPLE+TOW														
CANADA	803	884	919	390	568	688	376						4628	2818
AUSTRIA	390	70	219	282	189	94	152						1396	936
FRANCE	16	18	7	2	0	38	0						81	75
SWEDEN	164	432	190	92	402	190	1195						2665	1953
UNITED KINGDOM	225	81	42	60	136	38	44						626	221
JAPAN	116	47	162	134	121	98	135						813	1158
TAIWAN	0	0	0	0	0	0	0						0	96
ALL OTHER COUNTRIES[b]	0	+	0	+	1	0	42						43	56
TOTAL CELL. STAPLE	**1714**	**1532**	**1539**	**960**	**1417**	**1146**	**1944**						**10252**	**7313**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	1284	1467	1745	2221	1742	1936	1432						11827	4786
MEXICO	1317	1796	1574	1486	1101	1125	961						9360	1970
FRANCE	224	222	104	133	125	95	225						1128	996
GERMANY, FED. REP. OF	846	1097	2010	1482	2459	1494	1844						11232	3802
ITALY	199	569	390	407	642	559	1050						3816	1256
NETHERLANDS	54	95	26	17	5	114	76						387	198
SPAIN	95	225	2	0	1	+	0						323	969
SWITZERLAND	17	101	71	51	9	12	86						347	544
UNITED KINGDOM	531	89	366	204	289	128	1185						2792	1851
ISRAEL	111	72	84	43	148	169	348						975	798
JAPAN	1131	1338	1660	1574	1640	813	1869						10025	6293
REP. OF KOREA	42	55	37	24	13	13	3						187	429
TAIWAN	122	+	60	36	109	56	72						455	167
SOUTH AFRICA	347	563	112	450	695	85	326						2578	15
ALL OTHER COUNTRIES[c]	231	233	75	108	234	133	388						1402	286
TOTAL N.C. YARN	**6551**	**7922**	**8316**	**8236**	**9212**	**6732**	**9865**						**56834**	**24360**
NONCELLULOSIC STAPLE+TOW														
CANADA	1028	1102	1219	943	1727	1186	1435						8640	4239
COSTA RICA	155	354	237	249	114	82	53						1244	160
MEXICO	2812	2217	1451	1342	1629	1179	1328						11958	5018
BELGIUM	32	61	38	41	40	69	121						402	169
FRANCE	483	507	834	512	149	121	346						2952	4789
GERMANY, FED. REP. OF	1965	1587	2599	2064	2635	2371	5285						18507	10769
ITALY	1182	791	1234	1519	983	749	2264						8722	6391
NETHERLANDS	88	140	76	63	1	0	140						508	335
SWITZERLAND	22	+	113	58	57	2	22						274	108
UNITED KINGDOM	1306	1060	1711	1113	1512	885	1387						8974	8529
AUSTRALIA	0	24	0	0	0	0	14						38	91
ISRAEL	45	28	0	30	30	0	26						159	112
JAPAN	1334	926	1361	1092	1430	574	2013						8730	7117
REP. OF KOREA	0	40	62	120	40	0	64						326	215
TAIWAN	826	471	1576	1265	941	539	1436						7054	1970
ROMANIA	138	98	299	488	56	0	222						1301	145
SOUTH AFRICA	0	213	0	82	0	0	81						376	38
ALL OTHER COUNTRIES[d]	394	88	278	191	53	2	446						1452	373
TOTAL N.C. STAPLE	**11810**	**9707**	**13088**	**11172**	**11398**	**7759**	**16683**						**81617**	**50568**

+ Means a nominal poundage

Other countries supplying 1984 poundages are

a. Australia 3, Belgium 36, France 53, Italy 1 and Switzerland 21.

b. Brazil +, Federal Republic of Germany + Mexico 1 and Netherlands 42.

c. Australia 102, Austria 176, Belgium 64, Brazil 177, Costa Rica 198, Denmark 32, Finland 1, Hong Kong +, Iceland +, India 1, Ireland 35, Morocco 1, Norway 121, People's Republic of China +, Portugal 1, Romania 370 and Sweden 123.

d. Austria 31, Brazil 817, Denmark 62, Finland 37, Honduras 75, Hong Kong 2, Ireland 23, Poland 13, Portugal 41, Spain 25, Sweden 71 and Turkey 255.

TABLE 13: U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1984												7 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1984	1983
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & 0206	0	0	38	79	184	9	217						527	256
OTHER	310.0130 & 0230[a]	1136	585	880	359	878	420	814						5072	4196
MONOFILAMENTS	309.0310 & 0610	0	0	0	2	0	3	0						5	24
STRIPS, $1/LB & UNDER	309.2000*	0	6	45	9	10	13	0						83	150
SUBTOTAL ABOVE		**1136**	**591**	**963**	**449**	**1072**	**445**	**1031**						**5687**	**4626**
STAPLE	309.4320 & 4325	1517	1483	1365	900	1209	1108	1826						9408	6926
GROUPED FILAMENTS	309.3010 & 3110	197	49	174	60	208	38	118						844	387
SUBTOTAL ABOVE		**1714**	**1532**	**1539**	**960**	**1417**	**1146**	**1944**						**10252**	**7313**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & 7510	**40**	**69**	**6**	**41**	**38**	**38**	**90**						**322**	**177**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0109 & 0209	1064	1571	1615	2435	2016	1468	1566						11735	2434
- POLYESTER	310.0110 & 0210	821	1167	834	867	1172	837	1065						6763	465
- OTHER	310.0114 & 0214	651	604	649	613	837	746	791						4891	4668
OTHER - NYLON	310.0149 & 0249	2022	2221	2918	2099	2928	1974	3983						18145	6998
- POLYESTER	310.0150 & 0250	1328	1658	1618	1504	1707	1287	2005						11107	6901
- OTHER	310.0170 & 0270[b]	202	274	310	281	247	166	193						1673	1642
MONOFILAMENTS	309.0200 & 0330[c]	383	325	282	336	243	132	175						1876	923
STRIPS, OVER $1/LB	309.2100 & 2500*	80	102	90	101	62	122	87						644	329
SUBTOTAL ABOVE		**6551**	**7922**	**8316**	**8236**	**9212**	**6732**	**9865**						**56834**	**24360**
STAPLE - NYLON	309.4338	2921	2034	2936	3665	2450	1698	7722						23426	15248
- POLYESTER	309.4342	3115	2489	2224	1816	2156	1504	2134						15438	6024
- ACRYLIC	309.4345	1081	1257	913	1297	1652	871	1426						8497	7930
- OLEFIN	309.4346	325	76	474	173	184	55	218						1505	672
- OTHER	309.4355	1109	969	1627	1551	1219	998	1867						9340	5032
GROUPED FILAMENTS															
NYLON	309.3030 & 3130	2271	1604	2787	1509	2033	1495	1831						13530	11339
POLYESTER	309.3040 & 3140	227	593	1026	611	793	641	444						4335	376
ACRYLIC	309.3050 & 3150	646	538	978	355	762	312	798						4389	3512
OTHER	309.3065 & 3165	115	147	123	195	148	185	243						1156	435
SUBTOTAL ABOVE		**11810**	**9707**	**13088**	**11172**	**11397**	**7759**	**16683**						**81616**	**50568**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2390	4767	2062	1623	1585	1218	7325						20970	13230
- POLYESTER	309.6630	634	810	621	775	458	341	1318						4957	6486
- ACRYLIC	309.6645	37	1	0	0	0	0	0						38	229
- OTHER	309.6660	139	213	452	265	308	214	690						2281	2102
NOILS & GARNETTED FIBERS	309.6000 & .7000*	56	62	12	0	15	74	23						242	98
OTHER WASTE, ADVANCED	309.7525 - .7555	105	300	179	299	218	228	449						1778	1564
SUBTOTAL ABOVE		**3361**	**6153**	**3326**	**2962**	**2584**	**2075**	**9805**						**30266**	**23709**
TOTAL MAN-MADE ABOVE		**24612**	**25974**	**27238**	**23820**	**25720**	**18195**	**39418**						**184977**	**110753**
OTHER MAN-MADE FIBER TOPS YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	+	0	0	0	0	0						+	+
- NONCELLULOSIC	310.1015[d] & .1109[e]	1109	1204	1068	968	610	791	957						6707	4252
OTHER - CELLULOSIC	310.1030 & 1135[f]	2	12	8	8	14	18	56						118	52
- NONCELLULOSIC	310.1050 & .1070[g]	146	84	162	183	517	305	304						1701	1423
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	104	52	136	91	186	227	173						969	515
- OTHER	310.4015 & .4027[i]	2641	3042	3050	2639	3069	3077	4580						22098	17978
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - 8000	121	112	118	46	23	241	46						707	2361
HANDWORK YARNS & SEWING THREAD	310.9000 - 9140	410	250	442	318	291	203	240						2154	1619
SLIVER, TOPS & ROVING	309.9000	589	756	607	639	381	74	362						3408	3344
TEXTILE GLASS FIBER	309.2800 & .2900[j]	2128	2900	2813	1725	2452	1499	1857						15374	10964
GRAND TOTAL ABOVE		**31862**	**34386**	**35642**	**30437**	**33263**	**24630**	**47993**						**238213**	**153261**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

j. Chiefly roving. Also includes 309.9800 & .9900

TABLE 14: SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1984												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1984	1983
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**17.8**	**16.9**	**19.8**	**17.8**	**20.3**	**18.0**	**15.8**	**17.6**					**144.0**	**151.4**
NYLON[e] - INDUSTRIAL[f]	28.1	29.9	32.8	33.4	32.4	32.7	27.7	30.9					247.9	195.3
- LOW DENIER INDUSTRIAL[g]	3.1	3.0	3.0	2.9	2.7	2.8	2.7	2.8					23.0	21.8
- CARPET	70.0	62.9	65.5	72.0	70.4	61.3	60.2	67.1					529.4	485.0
- TEXTILE	34.3	31.3	31.1	32.7	30.6	26.9	25.3	28.6					240.8	253.5
POLYESTER - INDUSTRIAL[f]	24.5	25.2	28.3	26.4	27.6	26.7	26.0	27.4					212.1	202.4
- LOW DENIER INDUSTRIAL[g]	1.9	2.1	2.1	2.2	2.0	2.2	2.0	1.9					16.4	17.1
- TEXTILE	84.9	69.9	67.1	75.3	70.7	65.4	61.4	69.2					563.9	674.1
OLEFIN[h]	52.6	56.9	64.1	58.3	61.9	63.8	57.9	60.8					476.3	474.9
TOTAL NONCELLULOSIC ABOVE[i]	**299.4**	**281.2**	**294.0**	**303.2**	**298.3**	**281.8**	**263.2**	**288.7**					**2309.8**	**2324.1**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**32.4**	**31.6**	**38.0**	**35.9**	**32.5**	**34.4**	**29.8**	**33.4**					**268.0**	**249.4**
NYLON[e]	80.0	65.9	70.8	82.3	74.1	57.3	59.4	72.1					561.9	602.9
ACRYLIC+MODACRYLIC	53.0	52.2	63.9	58.2	56.7	60.6	52.9	59.9					457.4	440.6
POLYESTER	172.5	177.5	197.0	200.8	190.2	171.3	156.8	189.5					1455.6	1432.1
OLEFIN+VINYON	18.6	18.5	20.4	20.2	19.9	21.5	19.4	21.9					160.4	116.8
TOTAL NONCELLULOSIC ABOVE	**324.1**	**314.1**	**352.1**	**361.5**	**340.9**	**310.7**	**288.5**	**343.4**					**2635.3**	**2592.4**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**14.3**	**14.6**	**13.2**	**13.6**	**11.8**	**13.1**	**16.2**	**15.5**					**15.5**	**12.3**
NYLON[e] - INDUSTRIAL[f]	23.2	23.7	23.1	22.1	21.3	22.4	25.1	29.0					29.0	30.8
- LOW DENIER INDUSTRIAL[g]	4.0	4.4	5.7	5.7	5.9	5.1	5.3	5.3					5.3	4.4
- CARPET	54.0	58.8	60.4	55.9	60.4	63.9	66.4	61.0					61.0	45.5
- TEXTILE	36.3	36.9	37.5	36.4	37.2	42.4	43.8	44.9					44.9	37.9
POLYESTER - INDUSTRIAL[f]	22.0	22.3	20.2	19.4	18.5	18.1	20.1	20.2					20.2	23.3
- LOW DENIER INDUSTRIAL[g]	3.4	3.5	3.8	3.5	3.8	4.6	4.6	5.0					5.0	2.4
- TEXTILE	77.2	82.8	86.4	84.1	85.1	86.7	88.6	83.4					83.4	78.8
OLEFIN[h]	58.1	59.3	60.9	61.5	60.1	61.4	60.2	58.9					58.9	54.6
TOTAL NONCELLULOSIC ABOVE[i]	**278.2**	**291.7**	**298.0**	**288.6**	**292.3**	**304.6**	**314.1**	**307.7**					**307.7**	**277.7**
STAPLE+TOW+FIBERFILL														
RAYON	**25.1**	**27.4**	**25.3**	**23.2**	**27.5**	**26.2**	**28.1**	**26.7**					**26.7**	**21.4**
NYLON[e]	70.2	76.0	79.3	71.7	72.8	82.2	87.0	77.4					77.4	55.0
ACRYLIC+MODACRYLIC	77.3	79.6	75.4	75.6	78.1	74.8	75.3	72.3					72.3	68.4
POLYESTER	180.2	188.6	188.7	177.4	178.0	199.9	223.7	209.9					209.9	181.6
OLEFIN+VINYON	20.4	21.2	19.8	20.1	20.7	20.0	21.7	21.5					21.5	15.8
TOTAL NONCELLULOSIC ABOVE	**348.1**	**365.4**	**363.2**	**344.8**	**349.6**	**376.9**	**407.7**	**381.1**					**381.1**	**320.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.3	15.2	15.0	14.5	14.7	14.0							86.7	75.1
CARPET CLASS WOOL	0.9	0.8	0.9	1.1	1.0	0.9							5.6	5.5
TOTAL RAW WOOL	14.2	16.0	15.9	15.6	15.7	14.9							92.3	80.6
RAW COTTON	246.1	242.7	249.9	226.8	233.0	229.6							1428.1	1409.6

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March/April issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March/April issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March/April issue.

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